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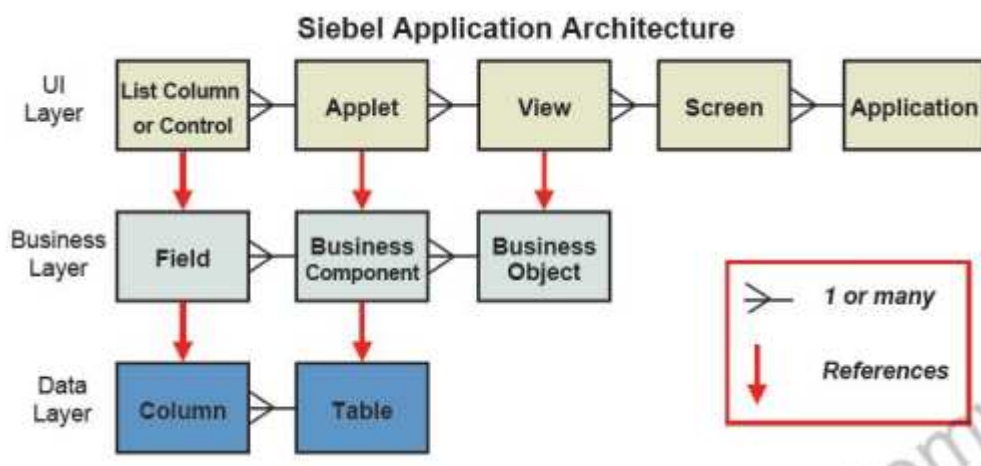
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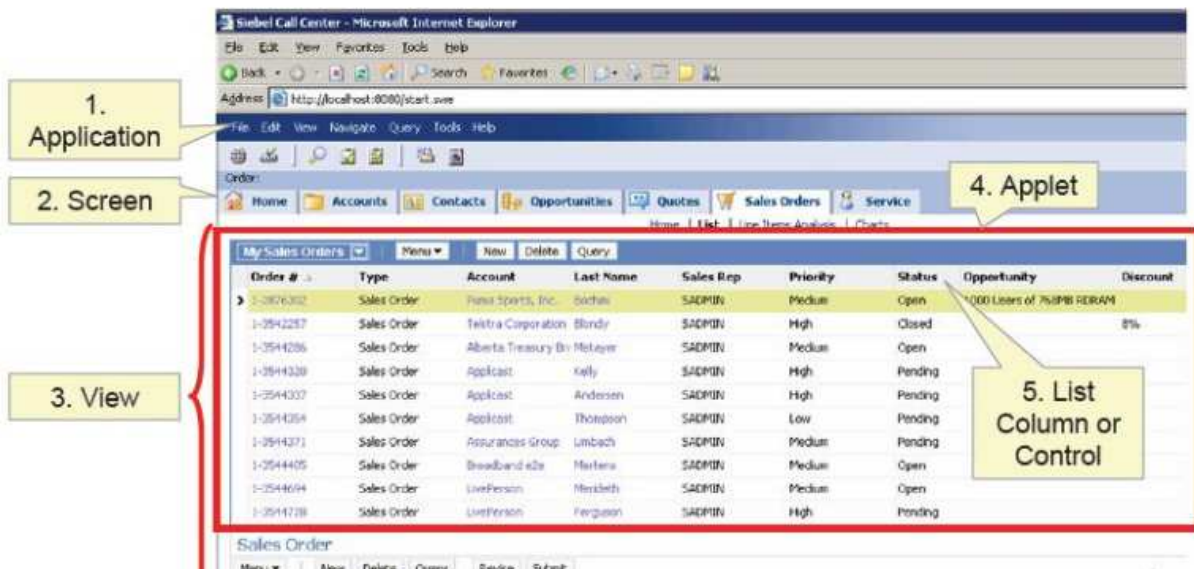
Standard documentation

SiebelBookshelf\81Siebel_Nov08\ToolsOnlineHelp\configapps.chm

Idea

Obiekty repozytorium są w następujących relacjach



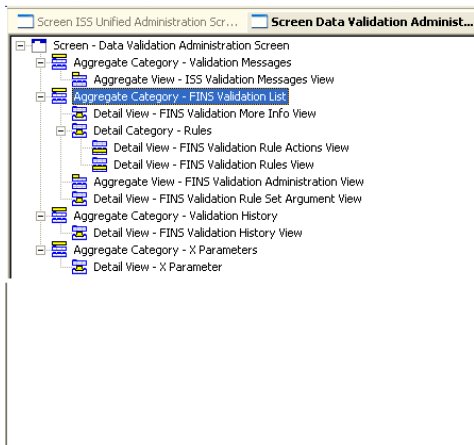


Gdy tworzysz nowy element: odnajdź podobny element, który posiada pożądane właściwości i skopiuj go. W znajdziesz coś na pewno, w Siebel jest mnóstwo elementów.

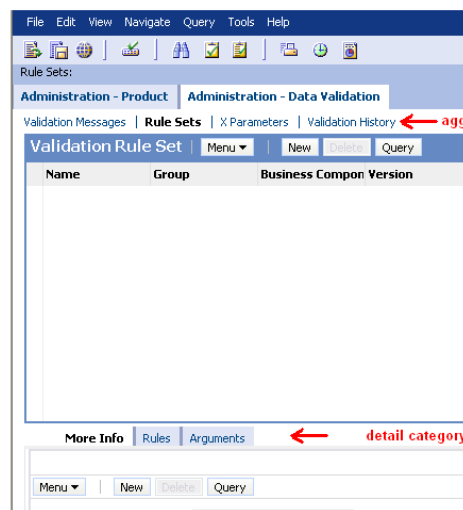
- screen to zestaw widoków tworzących hierarchiczne struktury. Hierarchia nadrzędny-podrzędny wynika z właściwości "Category Name" i "Parent Category"

Tools:

- aggregate category level - detail category level - view level ==>
- or
- aggregate category level - view level



Application layout:



Site map layout:



wskazówka 1: jeżeli robisz nowy widok, pamiętaj, żeby dodać view do responsibility usera (zob "Dostęp do widoków i appletów")

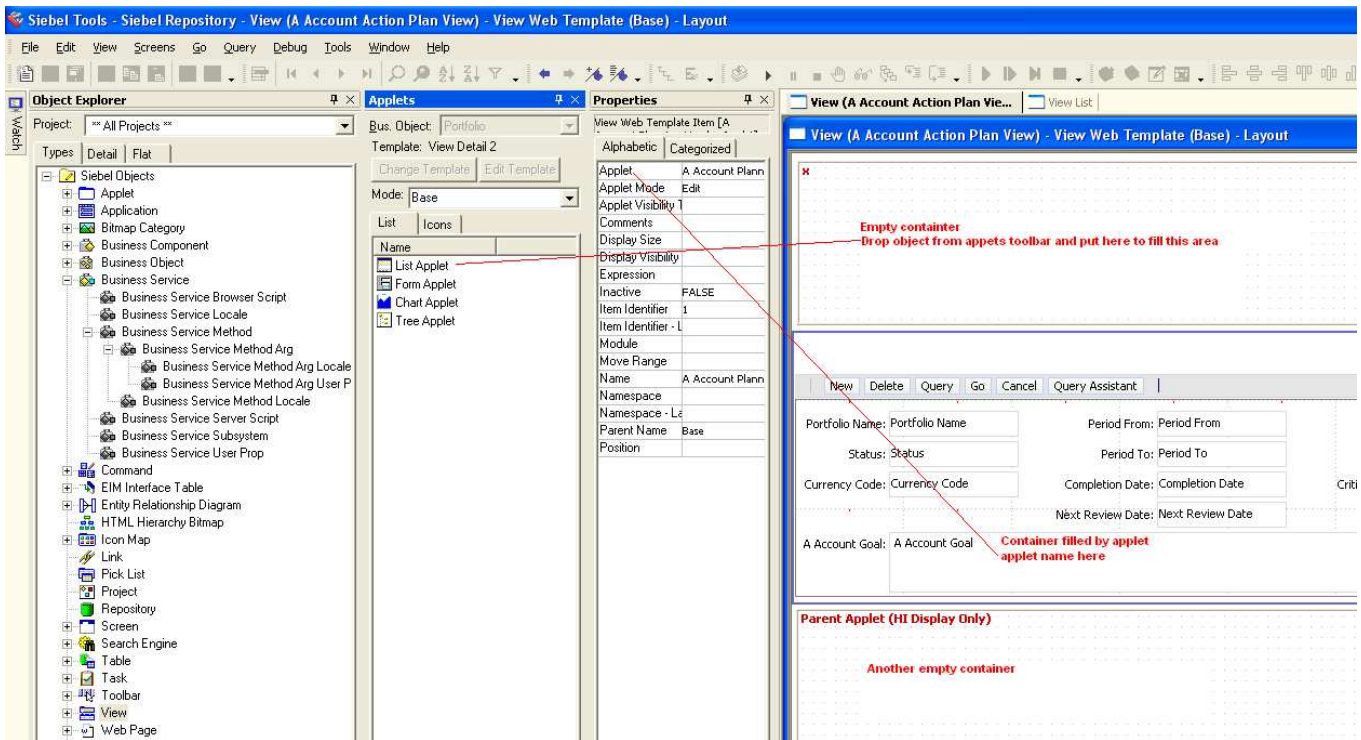
wskazówka 2: w dokumentacji jest napisane dokładnie co trzeba zrobić, żeby uzyskać efekt linka na odpowiednim poziomie (Configuring Siebel Business Applications > Configuring Screens and Views > About Screen Views). Istotny jest również **web template widoku** (jeżeli użyjesz złego web template, wówczas zakładki nie pojawią się), przykład poniżej:

The screenshot shows the Siebel Survey application interface. At the top, there is a menu bar with options like 'File', 'Edit', 'View', 'Navigate', 'Query', 'Tools', and 'Help'. Below the menu bar, there are navigation tabs for 'Home', 'Accounts', 'Contacts', 'Opportunities', 'Service', 'Quotes', 'Administration - Product', and 'Survey'. The main content area is titled 'Survey' and contains a table with columns: 'Account Id', 'Approver Id', 'System Name', 'Consultant', 'Service Notes', and 'Document Date'. The table has three rows of data. To the right of the table is a tree view showing the screen structure, including 'Screen - X OES Survey Screen', 'Aggregate Category - Root', 'Detail View - X OES Survey Page1 List View', and 'Detail View - X OES Survey Page2 List View'. Below the tree view is a 'View Web Templates' section with a table showing 'Base' as the selected template. At the bottom of the screen, there are input fields for 'Account Id', 'Approver Id', 'System Name', 'Consultant', 'Service Notes', and 'Document Date', along with various checkboxes for 'Db Options'.

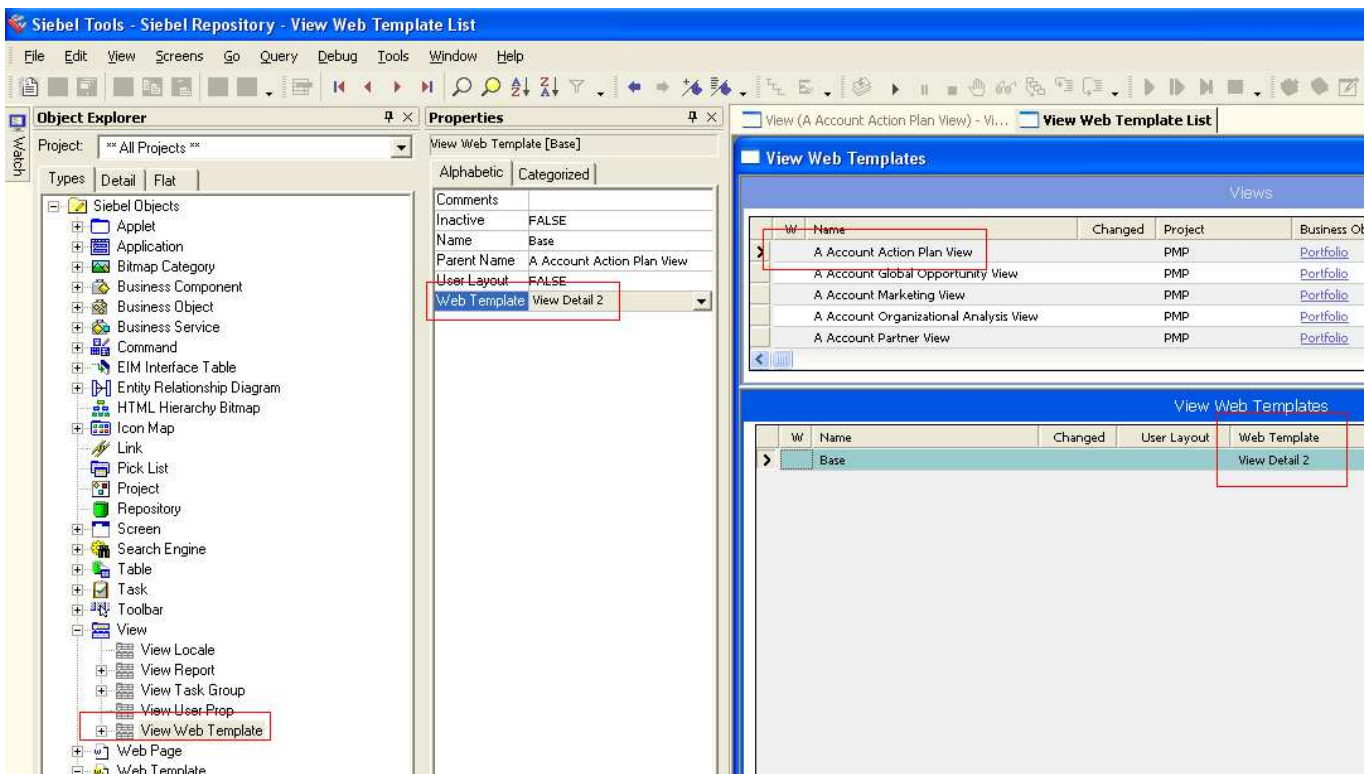
wskazówka 3: można tworzyć nawet 3 poziome zakładki (jeżeli chcesz mieć takie, po prostu skopiuj istniejące rozwiązanie i dostosuj do potrzeb)

The screenshot shows the Siebel Agreement application interface for 'Polpharma'. At the top, there is a menu bar with options like 'Home', 'Accounts', 'Contacts', 'Opportunities', 'Service', 'Quotes', 'Administration - Product', 'Survey', 'OES Setup', and 'Agreements'. Below the menu bar, there are navigation tabs for 'Explorer', 'Agreement List', and 'Charts'. The main content area is titled 'Polpharma' and contains a form with fields for 'Agreement #', 'Account', 'Team', 'Start', 'Name', 'Status', 'Approver', 'End', and 'PM Email'. Below the form is a horizontal menu with tabs for 'More Info', 'Line Items', 'Pools', 'Entitlements', 'Financials', 'Line Item Revenue', 'Activity Plans', 'Validation Messages', 'Approvals', 'Activities', 'Attachments', 'Documents', and 'Accounts'. The 'Pools' tab is selected, showing a table with columns: 'Name', 'Value', 'Uom', 'Sr Order Flag', 'Warranty Flag', and 'Notes'. The table has two rows of data. Below the table is a 'Priorities' section with tabs for 'Priorities', 'People', and 'Both'. The 'Priorities' tab is selected, showing a table with columns: 'Priority', 'Area', and 'Notes'. The table has two rows of data.

- z kolei widok w Siebel to zestaw kontenerów (pustych obszarów), w które wkłada się applety

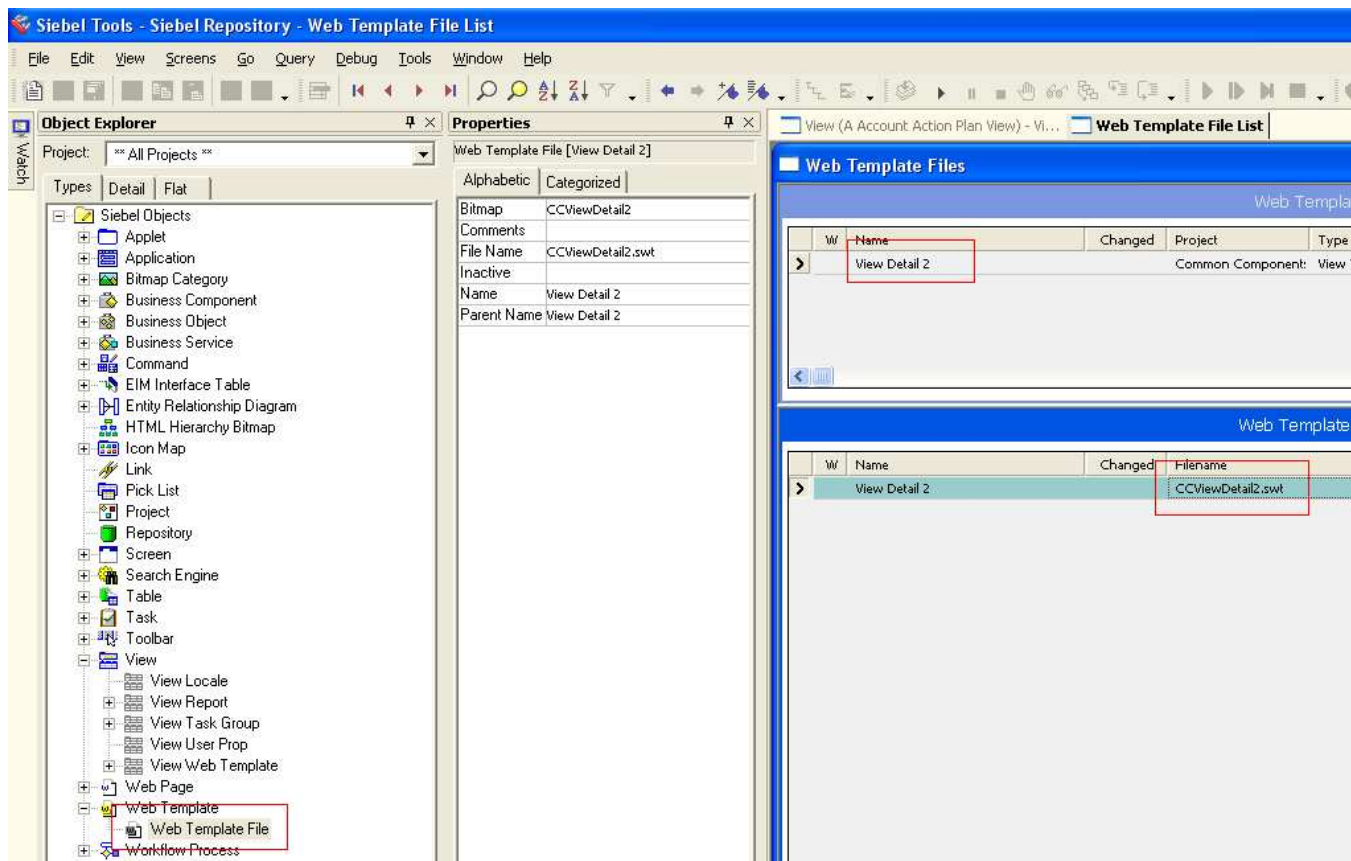


- to, ile jest kontenerów na widoku i jak są ułożone względem siebie wynika z web template skojarzonego z widokiem



- web template jest zestawem plików .swt, czyli plików html-xml podobnych zawierających definicję układu (nie ma edytora graficznego do plików .swt). Pliki .swt znajdziesz w katalogu WEBTEMPL.

IN ORDER TO SEE CHANGES, YOU MUST DO TWO THINGS: 1/ MODIFY SWT FILE. 2/ RECOMPILE IN TOOLS PROPER WEB TEMPLATE



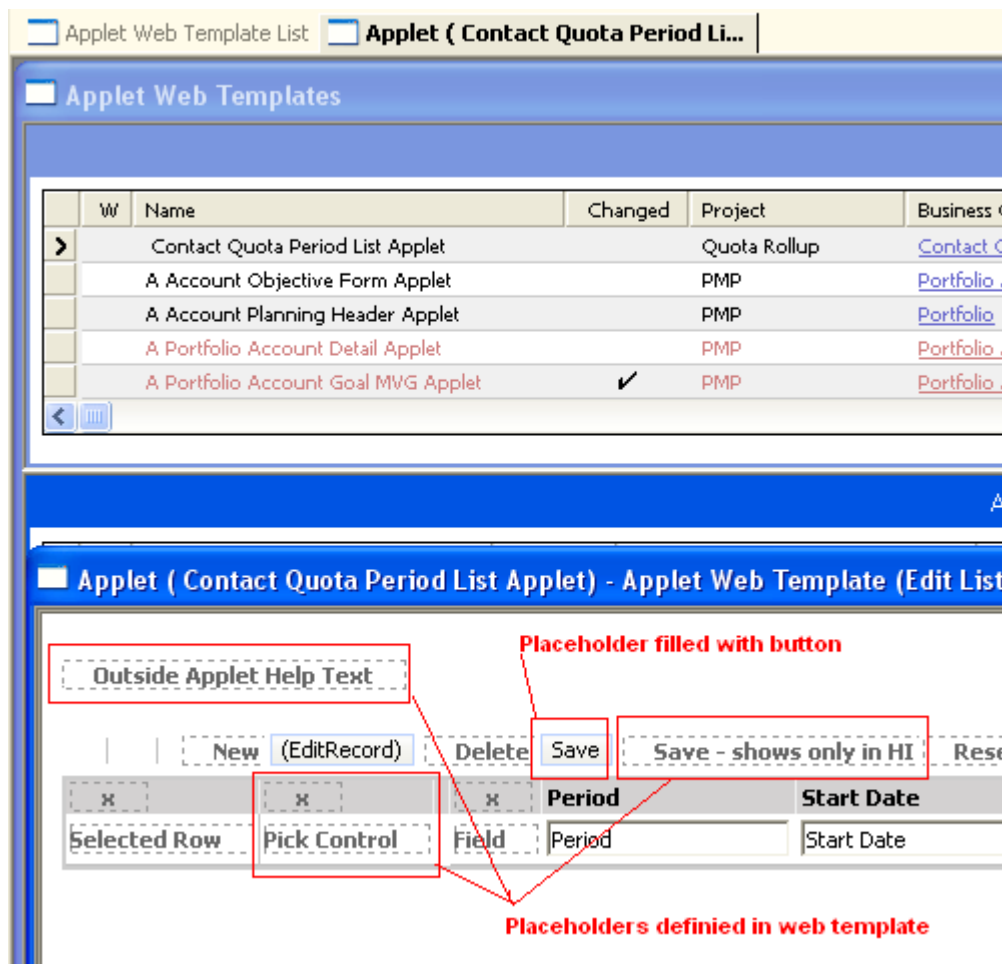
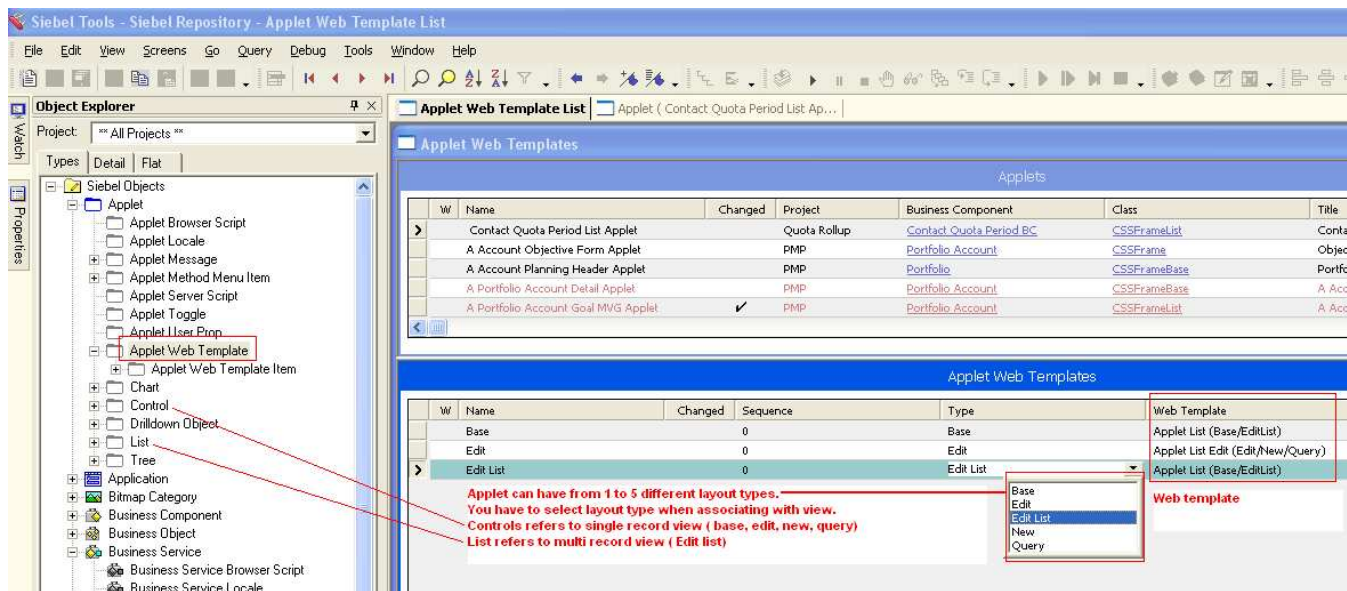
Przykładowa zawartość pliku .swt

```

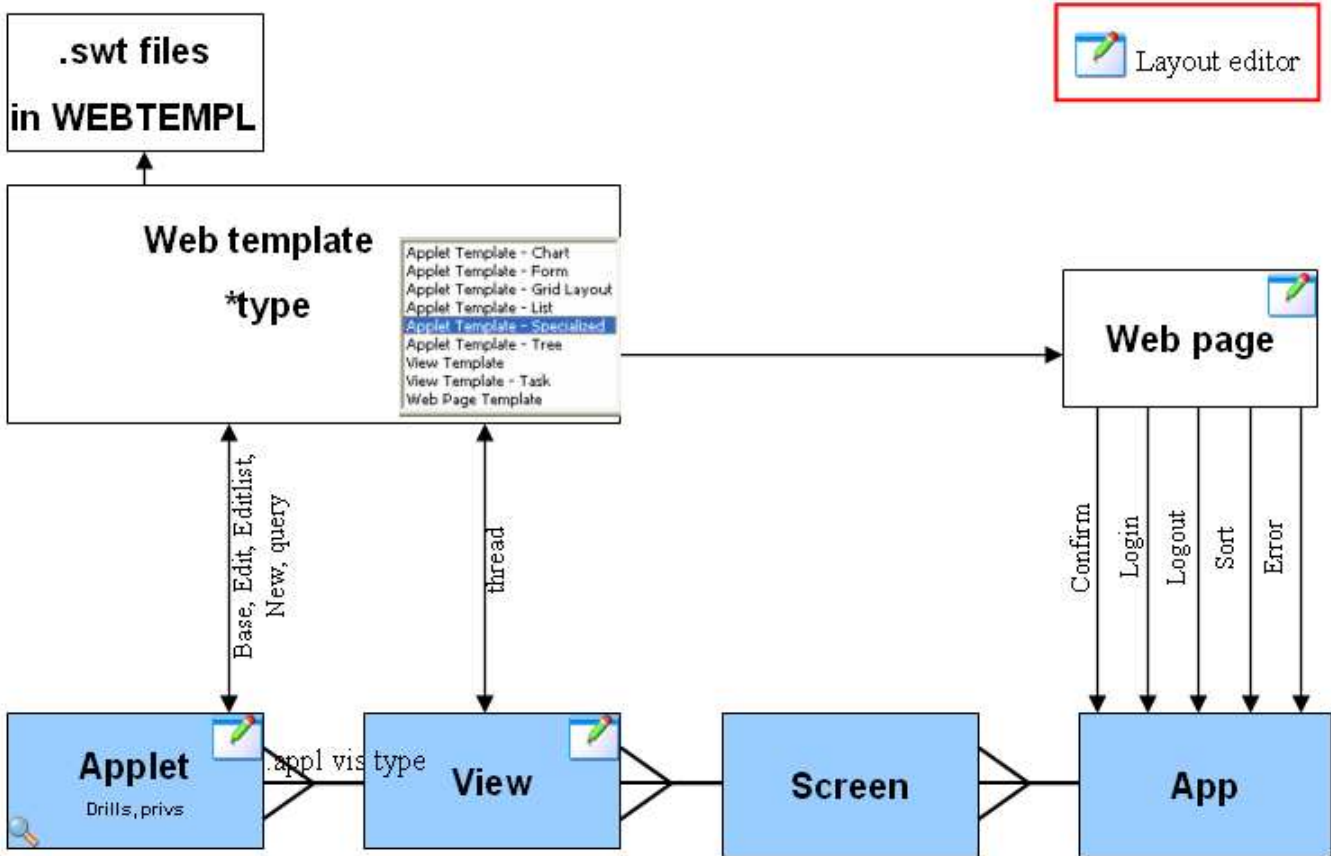
2.. CCListButtonsTop.swt
0 10 20 30 40 50 60 70 80 90
<!-- Template Start: CCListButtonsTop.swt -->
<table width="100%" cellspacing="0" cellpadding="2" border="0" align="center">
  <tr class="AppletButtons" align="left">
    <!-- Applet Filter Area -->
    <swe:switch>
      <swe:case condition="Web Engine State Properties, IsPrintOn">
        <td class="AppletTitle" nowrap>
          &nbsp;
          <swe:this property="Title"/>
          &nbsp;
        </td>
      </swe:case>
      <swe:default>
        <swe:if-var name="Parent">
          <td class="AppletTitle" nowrap>
            <swe:if condition="Web Engine State Properties, IsHighInteractive">
              <swe:switch>
                <swe:case condition="Web Engine State Properties, IsViewPosition, 'Position:2'">
                  </td>
                  <td><swe:nav-control type="Category View" style="Select"/></td>
                </swe:case>
                <swe:default>
                  
                  <swe:if condition="Task UI Service (SWE), IsNotInTask">
                    
                  </swe:if>
                  
                </swe:default>
              </swe:switch>
            </swe:if>
          </td>
        </swe:if-var>
      </swe:default>
    </swe:switch>
  </tr>
</table>

```

- z kolei applety (czyli to, co wkłada się w kontenery widoków) mają zdefiniowany szkielet w web template (placeholder), a na ten szkielet nakłada się kontrolki (buttony, listy itp.)

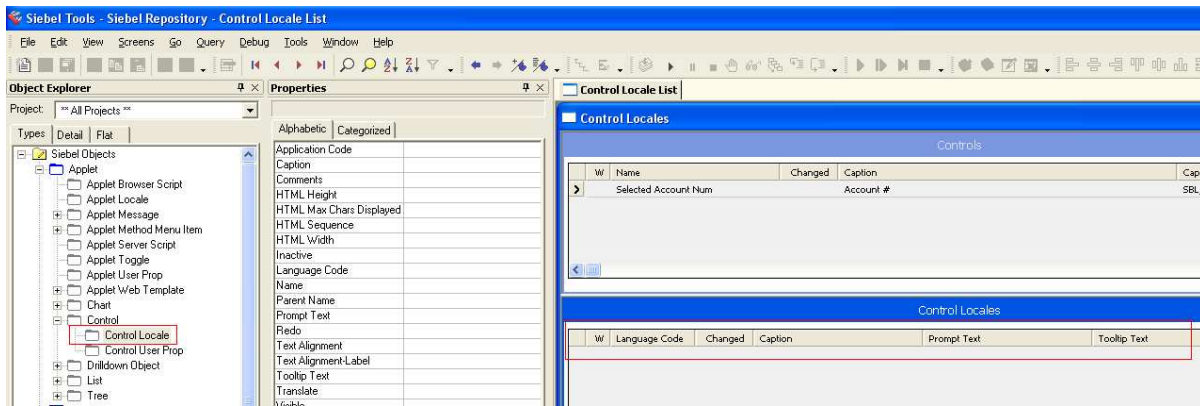


- Web template (poza wymienionymi zastosowaniami, czyli definiowaniem appletów i widoków) mogą również zawierać definicję wyglądu całej strony aplikacji: okna logowania, wylogowania, błędu itd. Oczywiście określony web template może pełnić tylko jedną funkcję (applet, widok lub web page) Podsumujmy rysunkiem dla których elementów określa się layout i które elementy są powiązane z web template.



Dodaj wszystkie tworzone obiekty do dedykowanego projektu np. X Extensions

Aplikacje wielojęzyczne



Create table

Use Wizzard (File - New)- who columns and other standard fields will be added automatically.
Custom table name prefix is CX for example CX_PARAMS.

Z reguły nowe obiekty tworzy się w lokalnym repozytorium.

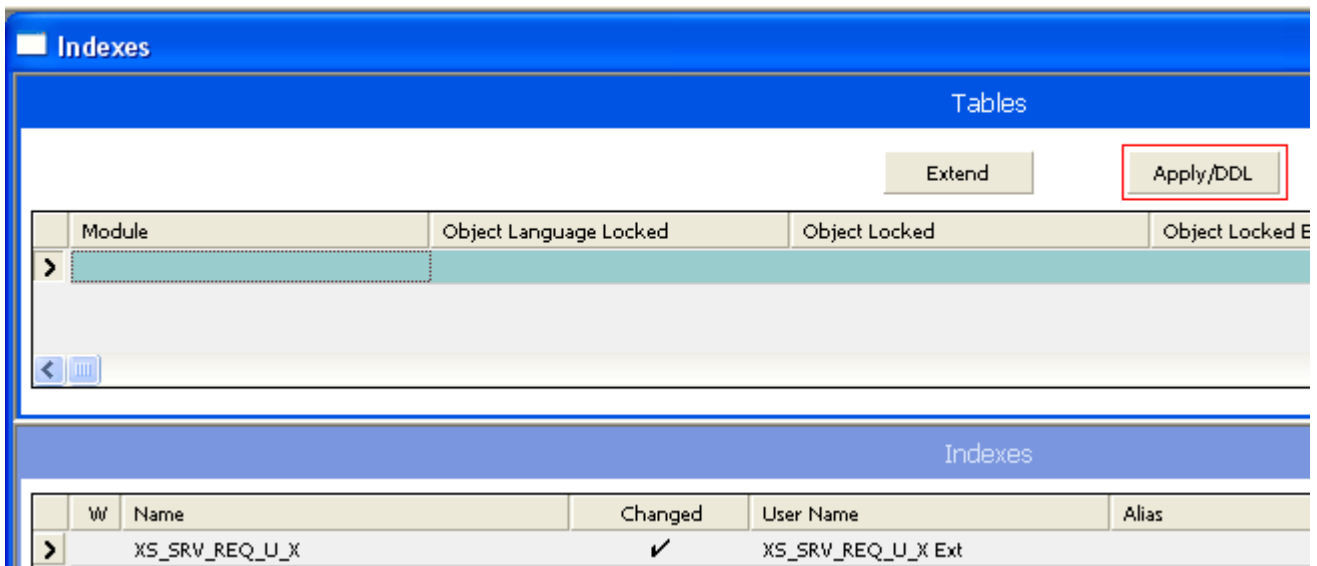
Jednak tabelę trzeba założyć na serwerze – zaloguj się toolsami do serwera.

Dodaj tabelę do projektu i następnie lokalnie ściągnij tylko ten jeden projekt. UWAGA !!! jeżeli masz lokalnie zmiany w tym projekcie, koniecznie najpierw wyślij je do serwera, w innym razie nawet nowe obiekty utworzone lokalnie i nigdy nie checkinowane zostaną skasowane.

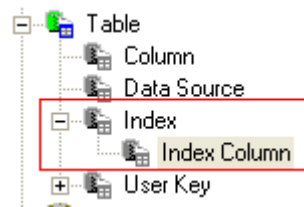
Jeżeli założysz tabelę lokalnie, to nie zadziała check-in.

On the contrary, table modifications can and have to be done locally.

Do not create table in database manually. Instead of it use generate DDL functionality.
Po tym jak zmodyfikujesz tabelę musisz wygenerować DDL (na serwerze ORAZ lokalnie).



- CHECKBOX: Gdy zrobisz kolumnę w tabeli o typie Character(1), to automatycznie pole w BC będzie Bool i kreator automatycznie zrobi na aplikacji checkbox.
- Column varchar(>2000) becomes LONG in database ! (I don't know how workround it, Oracle allows creating varchar2(<4000))



- FK is Siebel are varchar(15). Remember to create index ().

Apply Schema

Tables:
Current Row

Table space:

16K table space: **Lokalnie:**
User: SIEBEL
Pass: MSZYMCZA

32K table space: **Serwer:**
User: MSZYMCZA
Pass:MSZYMCZA

Index space:

Storage control file:

Database user: MSZYMCZA

Database user password:

ODBC data source: SSD default instance

DDL file Browse...

Warning: data changes made to new tables or columns will not be propagated to the client. Updating the client schema will not propagate this data. Test the server schema, but don't make substantial data changes until the client schema has been updated.

Apply Cancel

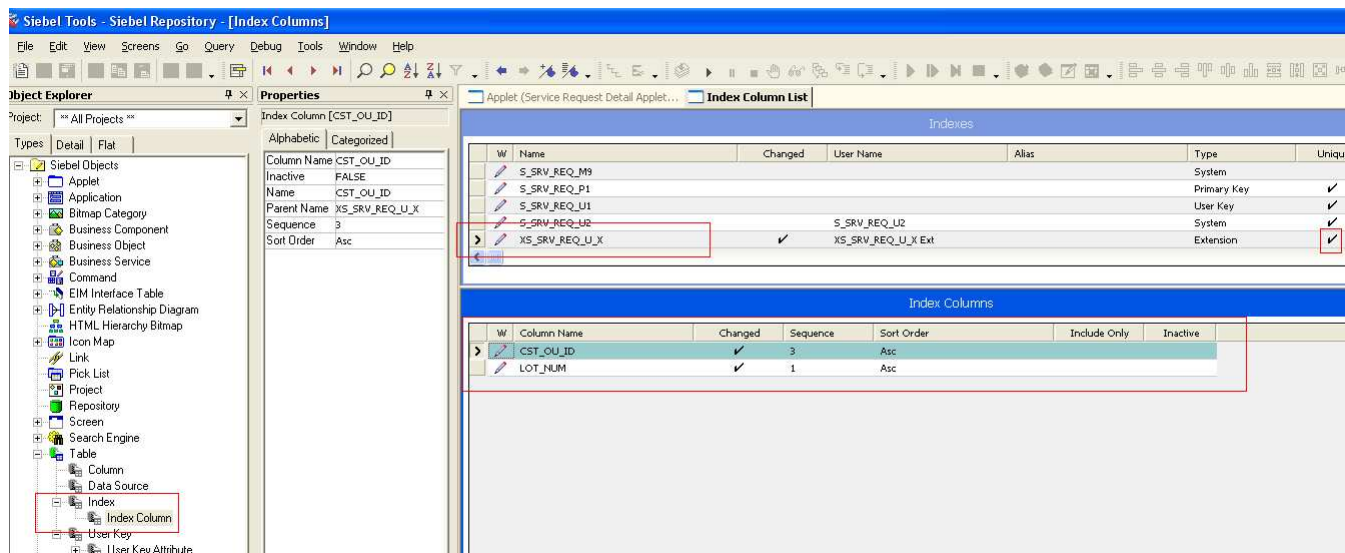
Czasami Tools zawieszają się podczas generowania DDL lokalnie (na serwerze problem nigdy nie występuje).

Wówczas:

- zwiększ ilość pamięci wirtualnej do 6000MB. Spróbuj ponownie. Wciąż problem ?
- zamknij wszystkie lokalne procesy korzystające z lokalnej bazy danych
- ponownie otwórz tools. Zmien cokolwiek (comment) na jakimkolwiek BC
- otwórz tabelę, wybierz wiersz, który dodano, naciśnij Apply/DDL. Zmień inactive na chwile na false, przejrz na inny rekord, przywróć true, przejdź na inny rekord, wróć, spróbuj ponownie.

Aż do skutku.

Jak założyć klucz unikalny na tabeli



Wykonaj

update siebel.s_index set ISUNIQUE = 'Y' where name = 'XS_SRV_REQ_U_X'

Efekt:



To wszystko. Jeżeli chcesz wiedzieć więcej, to czytaj dalej.

Z unique index, to kiepska sprawa. Mianowicie, oficjalne podejście podczas wdrożenia u klienta jest takie, że klient musi zaprosić przedstawiciela "Oracle Expert Services", który to posiada specjalny "klucz" do toolsów, który to umożliwia zakładanie unikalnych indeksów.

Nota bene jest to opisane gdzieś w bookshelfie. Uzasadnienie jest takie, że tylko "Expert Services" mają świadomość w jaki sposób dołożenie unikalnego indeksu wpłynie na zachowanie, a przede wszystkim na performance aplikacji.

Teraz podam Wam możliwości obejścia tego problemu:

1. Najczystszy (i często stosowany) sposób - wykorzystanie istniejącego unikalnego indeksu. Ja go często stosuję, ale pod warunkiem, że na tabeli jest jakiś "wolny" klucz. Na Wasze nieszczęście S_SRV_REQ ma tylko jeden unikalny klucz (drugi to primary key, a trzeci jest "kopią" pierwszego). Więc jedyne rozwiązanie to "sklejanie" LOT_NUM i CST_OU_ID i wrzucanie do SR_NUM. Niestety te dwie kolumny są za długie i nie zmieszczą się do jednej, więc to rozwiązanie w Waszym konkretnym przypadku odpada.

2. "Na chama" - Indeks tak czy siak w toolsach można założyć. Wystarczy zrobić "check-out" tabeli, dodać index (nie user key!), potem "activate" i gotowe. Jedyne problem jest taki, że nie można zmienić flagi "unique". Tyle, że można to zrobić bezpośrednio w tabeli w bazie danych. Tabela S_INDEX, pole ISUNIQUE (chyba). Jak już się tę flagę zmieni, to indeks robi się unikalny. I potem znowu "activate"... Oczywiście ten sposób nie jest supportowany przez Oracle (czyli przez nas;). Ale jest wykorzystywany na projektach u klienta... Tak czy siak, jako pracownik Oracle - odradzam;)

update SIEBEL.S_INDEX set isunique = 'Y' where name = 'XS_SRV_REQ_U_X'

3. Bazodanowy - można założyć unique key / index bezpośrednio na bazie danych. Rozwiązanie trywialne, ale: oficjalnie nie jest supportowane. Teoretycznie jeśli będziecie mieli jakieś problemy i ktoś badając Wasz Service Request z metalinku znajdzie indeks założony na bazie danych a nie w toolsach, to może stwierdzić, że nie będzie Was supportował. Rozwiązanie to ma jeszcze jedną poważną wadę. Jeśli będziecie migrować repozytorium z jednego środowiska na drugie, i zrobić "apply ddl", czyli docelowa baza danych przeczyta, że nie ma takiego indeksu w repozytorium i go usunie z bazy danych. Trzeba będzie go ponownie stworzyć. Więc odradzam.

4. Data Validation Manager - nigdy osobiście tego nie próbowałem, ale z tego co wiem, można użyć DVM (czyli Site Map -> Administration - Data Validation Manager) do pilnowania unikalności kolumn. Potestujecie chwilę, to się przekonacie.

5. Skrypt - skryptem można wszystko. Również pilnowania unikalności. Ale zawsze trzeba się zastanowić, czy na pewno we wszystkich komponentach pilnujemy tej unikalności (być może SR można tworzyć przy użyciu innych komponentów, nie tylko Service Request). Poza tym, np. gdybyście chcieli ładować dane EIM-em do Siebla, to taki załadunek omija Wasz skrypt i musicie dodatkowo pilnować unikalności w innych miejscach.

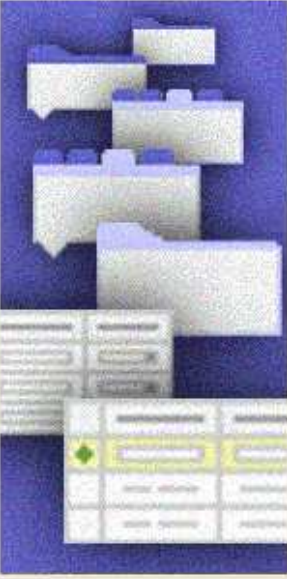
Create business component

Użyj kreatora (File - New) np. X Parameters

Nazwa BC - w liczbie pojedynczej



New Business Component




This wizard will help you create a new Business Component.

Select the Project this Business Component will be part of from the list.

Enter a name for the new Business Component. The name must be unique among all Business Components in all Projects.

Select the Table this Business Component will operate on. The Table is the underlying database object which the Business Component is used to display and edit.

Single Value Fields



This part of the wizard will let you create Fields from the Base Table.

Select a column in the Base table

Enter a name for the Field

Field Name	Column Name
Account Id	ACCOUNT_ID
Area Id	AREA_ID
Comments	COMMENTS
Enabled	ENABLED
Person Id	PERSON_ID
Type	TYPE

Unfortunately, columns have to be selected one by one.

Do not add standard fields (Created, created by ...)

Important: change manually default bc class CSSBusComp to CSSBCBase. CSSBCBase is superclass of CSSBusComp and supports such user properties like Deep Copy.

Effect:

Business Components					
Wf	Name	Changed	Project	Cache Data	Class
>	X Contact Area	✓	X Extensions		CSSBusComp

Key user properties

Aviod scripting:

No Change Field Makes field readonly on update only

Read Only Field Makes a record read only based on the value of a field. Since the field that governs readonly behavior can be a calculated field, very complex logic can be implemented with this User Property. e.g. If STATUS is "Inactive" make REMARKS field read only. Field Read Only Field Sets specific fields in a Business Component to be read-only.

On Field Update Invoke n This User Property allows you to invoke a Business Component method when the Specified field is updated. The value for On Field Update Invoke consists of three quoted parameters separated by a comma and a space, as follows: • "[FieldToCheck]", "[BusCompName]", "[MethodName]" • "[MethodName]" is invoked on the [BusCompName] Business Component when [FieldToCheck] is updated. If [FieldToCheck] is not defined, the method is invoked when the user saves the record. • You can optionally use a fourth parameter that defines a condition. If you define a condition, the method is only invoked if the condition evaluates to TRUE.

On Field Update Set n This User Property allows you to set the value of a field in the Business Component when another field is updated. The value for On Field Update Set consists of three quoted parameters separated by a comma and a space, as follows: • "[FieldToCheck]", "[FieldToSet]", "[Value]" • [FieldToSet] is set to [Value] when [FieldToCheck] is updated. If the Value parameter is not defined, [FieldToSet] is set to the value of [FieldToCheck]. An expression can optionally be used for the Value parameter. In the following example, the Done field is set using the expression when the Done Flag field is updated. • "Done Flag", "Done", "IIF ([Done Flag] = "Y", Today (), "" "")" • Additionally, if you use an expression, you can include a fourth parameter that defines a condition.

Parent Read Only Field The parent Read Only Field can be used to make a child record read only based on the value of a field on the parent Business Component.

DeepCopy Allows child Business Components and respective child Business Ccomponents to be copied automatically when selecting the Copy option. Normally, Copy option only copies one level in the Business Object.

Deep Delete Normally, the Delete option only deletes one level. Deep Delete allows child Business Components and their respective child business components to be deleted automatically when selecting the Delete option.

Field User Prop – Required This User Property enables making a field required dynamically depending on other field values and expressions. If the evaluation returns true the field becomes Required. Note that this is defined at the field level, not the business component level. For example: • IIF ([Forecast Mode] = 'Y', 'Y', 'N') • [Measure Unit] = LookupValue("IC_CAP_MEASURE_UNIT", "Amount")

NamedMethod This User Property has several different uses. It can be used to set field values when a specific field has been updated or to invoke a business service or even a workflow process. The User Property is used in conjunction with 'On Field Update Invoke' User Property. The following is an excerpt from "Siebel Developer Reference": For setting a field value, the value consists of three quoted parameters separated by a comma and a space, as follows: • "[Name]", "SET", "[Field]", "[Expression]" • When [Name] is called, the value of [Field] is set using [Expression]. For invoking a Business Component method, the value consists of four quoted parameters separated by a comma and a space, as follows: • "[Name]", "[Action]", "[BusComp]", "[Method]" • When [Name] is called, [Method] is invoked on the [BusComp] Business Component based on the defined [Action]. For invoking a business service method, the value consists of five quoted parameters separated by a comma and a space, as follows: • "[Name]", "[Action]", "[BusComp]", "[Service]", "[Method]" • When [Name] is called, [Method] from the [Service] business service is invoked on the [BusComp] Business Component based on the defined [Action]. For invoking a Workflow with Input Parameters specifies the Workflow Process Manager as the Business Service and provides the list of Input Parameter – Value pairs within double and single quotes, as follows: • "[Name]", "INVOKESVC", "[BusComp]", "Workflow Process Manager", "RunProcess", "[ProcessName]", "[Name of WF Process]", "[Parameter 1 Name]", "[Parameter 1 Value]", "[Parameter 2 Name]", "[Parameter 2 Value]" • The Parameter values can be dynamically read from the Business Component at Run time by using square brackets and only the single quotes as in the following example from the 'SIS OM Asset Mgmt – Asset – Complex Header Billing' Business Component User Property 'Named Method 1' o "NewProdSvc", "INVOKESVC", "SIS OM Asset Mgmt – Asset – Complex Header Billing", "Workflow Process Manager", "RunProcess", "ProcessName", "SIS OM New Products & Services Process", "RowId", "[Parent Account Id]", "Account", "[Parent Account]", "Billing Account", "[Billing Account]", "Service Account", "[Service Account]", "Price List", "[Parent Account Price List]"

Source: <http://www.siebeloracle.com/siebel-business-component-user-properties/>

NoDelete Field This User Property is used to restrict the deletion of records based on value of the specific field.

Example:

Select BC--> Order Entry - Orders--> Business Component User Prop--> Create a new record with following values.

Name : NoDelete Field

Value : Order Status

Select BC--> SVF--> Create a new record with following values.

Name : Order Status

Calculated : True

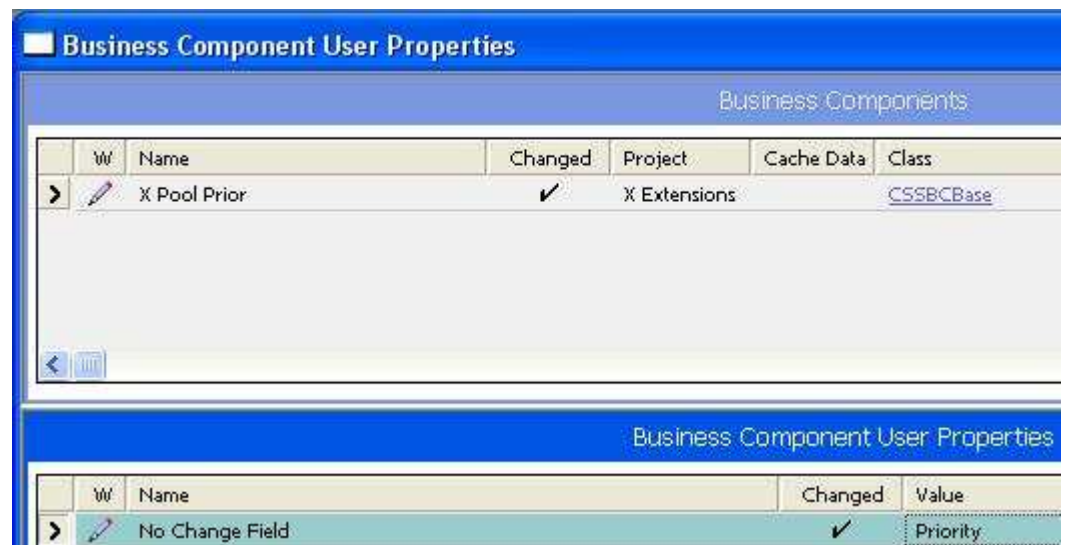
Calculated Value : If([Status] = 'Pending' , 'Y' , 'N')

Compile changes and see the result in Application. The Delete button is disable for the 'Pending' Status Records.

Source: <http://www.siebelbank.com/2009/12/about-nodelete-field-user-property.html>

No Change Field

This user property disallows changing a fields value after the record is committed



No Clear Field

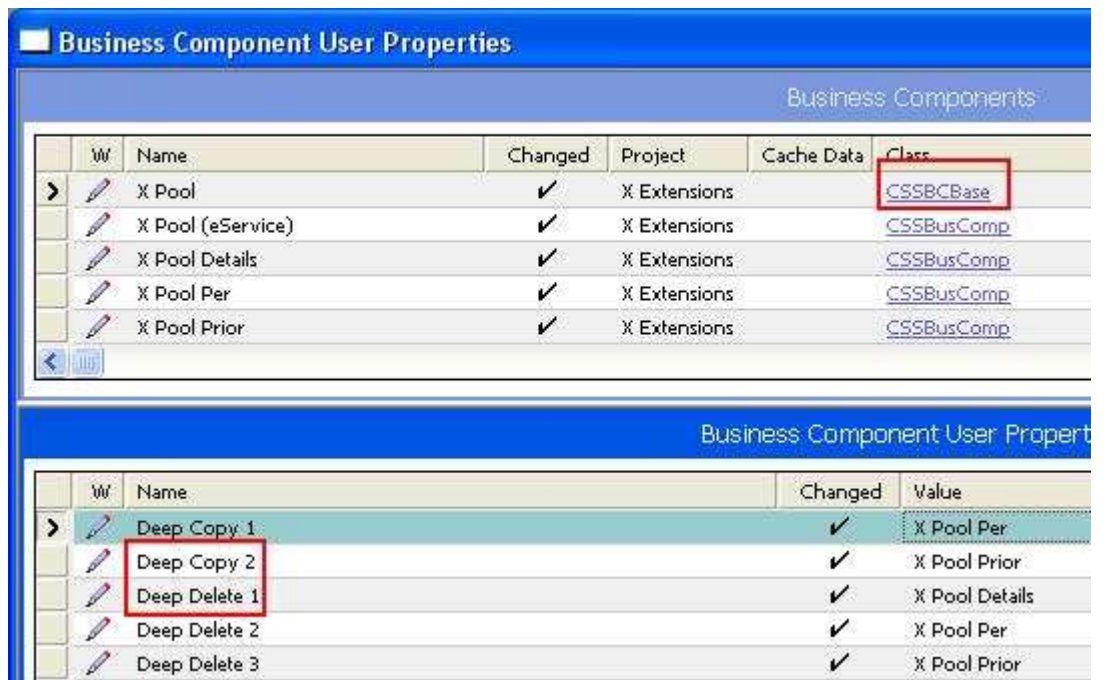
This user property disallows setting a field's value to NULL. Similar to "No Change Field"

Deep Delete, Deep Copy

Class **MUST** be CSSBCBase NOT CSSBusComp (CSSBCBase extents CSSBusComp so not be afraid of changing it)

Value is name of BC.

More: <http://siebelunleashed.com/siebel-deep-copy-deep-delete-explored/>



Field types

Ordinal field

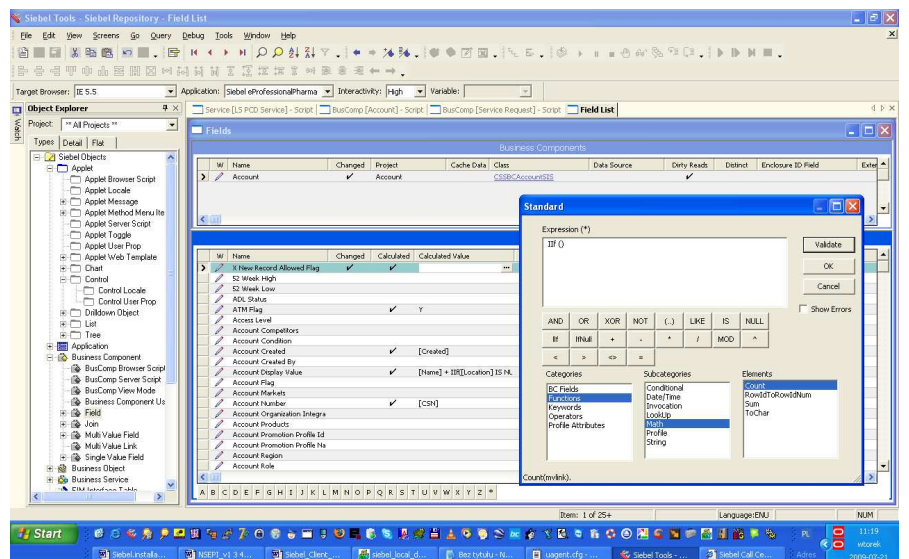
Joined field (from lookup table, see join property)

Calculated field (see calculated, calculation properties)

Examples

Calculated Value: ParentFieldValue ("Type")

GetProfileAttr("Account Id")



Pola wyliczone możesz używać następnie np. do ograniczania list wartości itp.

MV Field (see multivalued field)

Joins

To the base table can be merged lookup tables, for example:

S_ENTLMNT_MTRC >- S_ENTLMNT >- S_DOC_AGREE -> S_ORG_EXT

Note, that it is possible to join n-level lookup table (here: >- S_DOC_AGREE -> S_ORG_EXT)

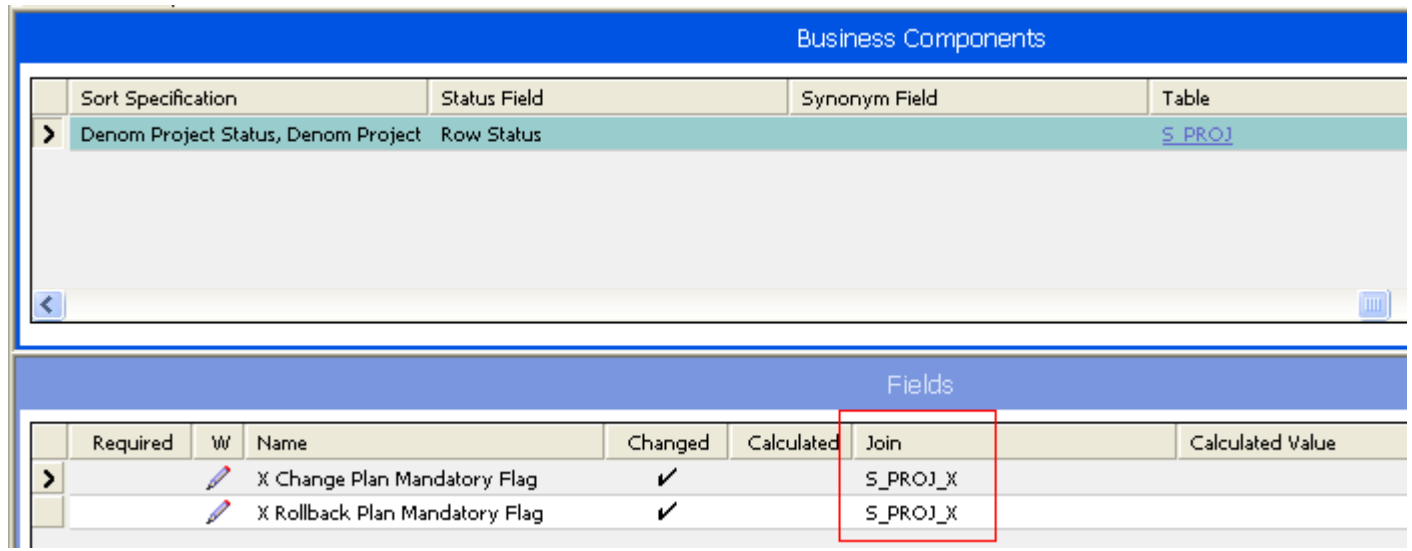
What is difference between join and link ?

Join merges tables within BC.

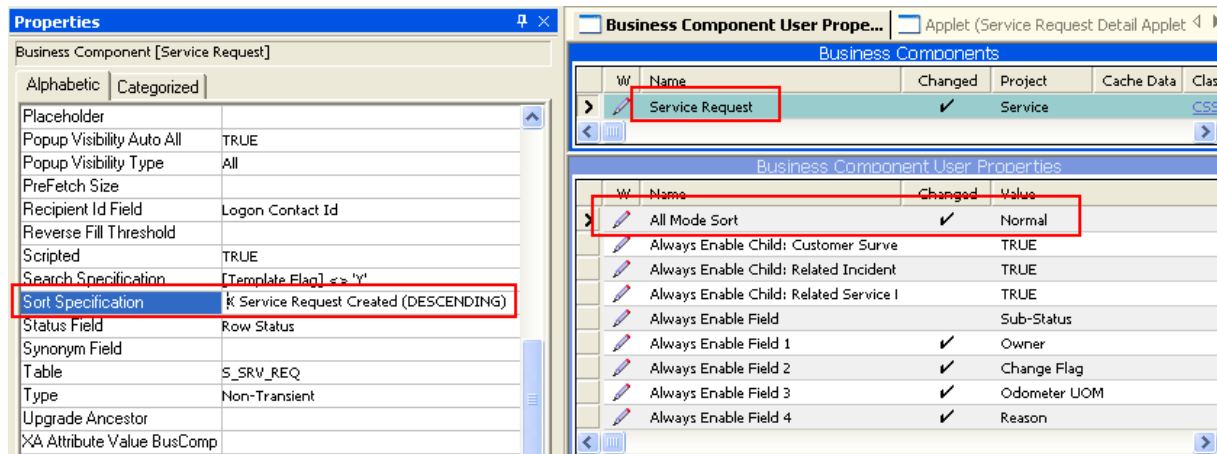
Link merges BC within BO.

Note, that extension tables are joined by default. You mustn't create joins for extension table since it already exists.

If you do that, than you will obtain error message "Generic SSA NOTOK error message.(SBL-DAT-00472)"

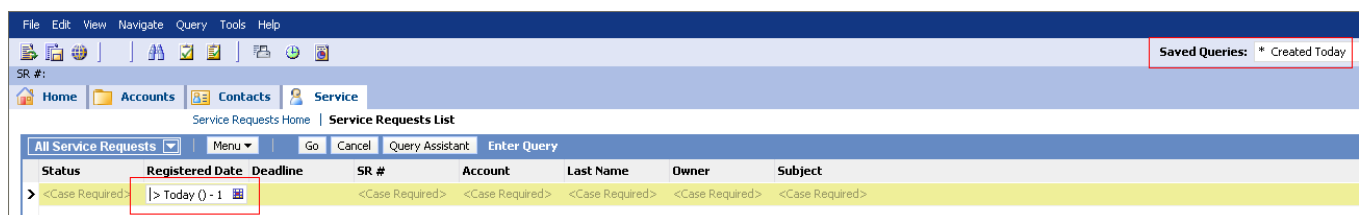


Sort order (order by)



Where [+ order by]

Use saved query functionality

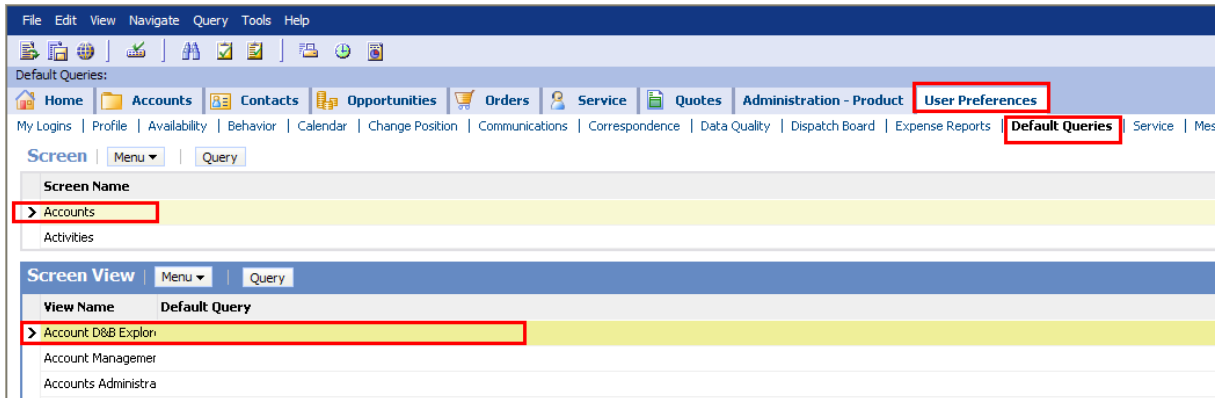
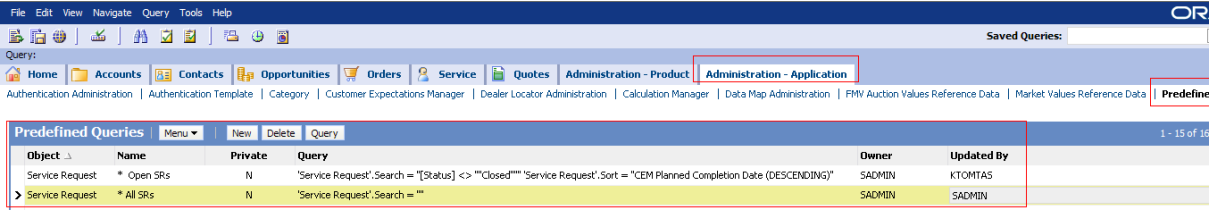


How to set default query

1. Create Query

2. Set as public

3. First query sorted by name will be active by default or set default query on user level



Note, that query can contain order by clause:

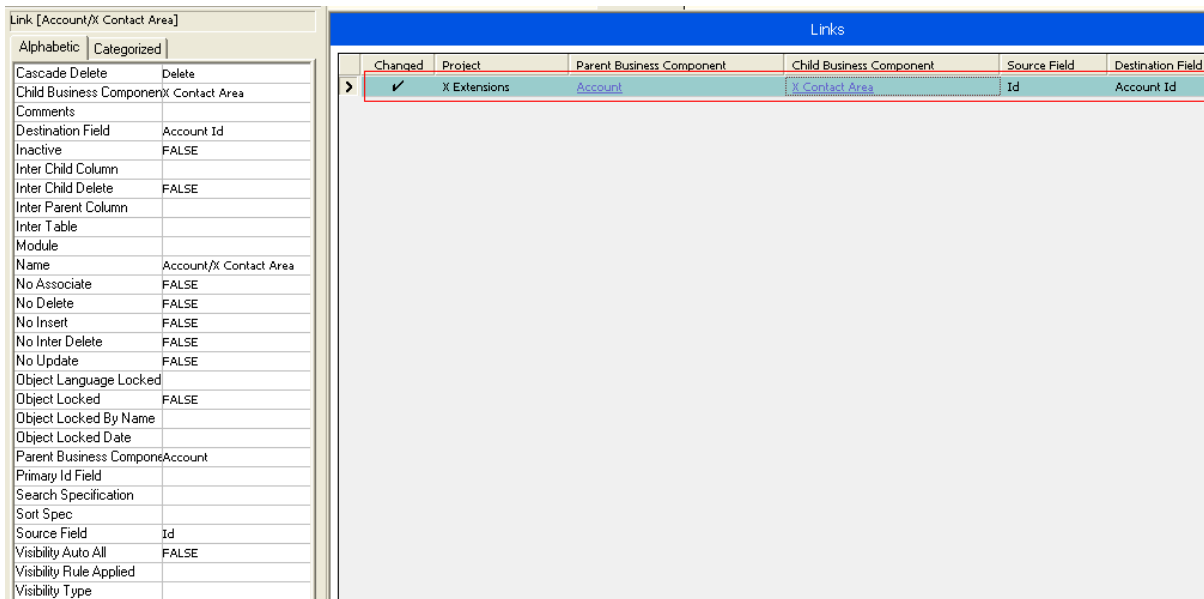
'Service Request'.Search = "[Status] <> ""Closed""

'Service Request'.Sort = "CEM Planned Completion Date (DESCENDING)"

Pre Default Value examples:

Parent: 'Service Request.SR Number'

Create a Link (if required)



Link will ensure proper view behaviour (master-detail service).

Notice, that link can be many2many (intersection Fields).

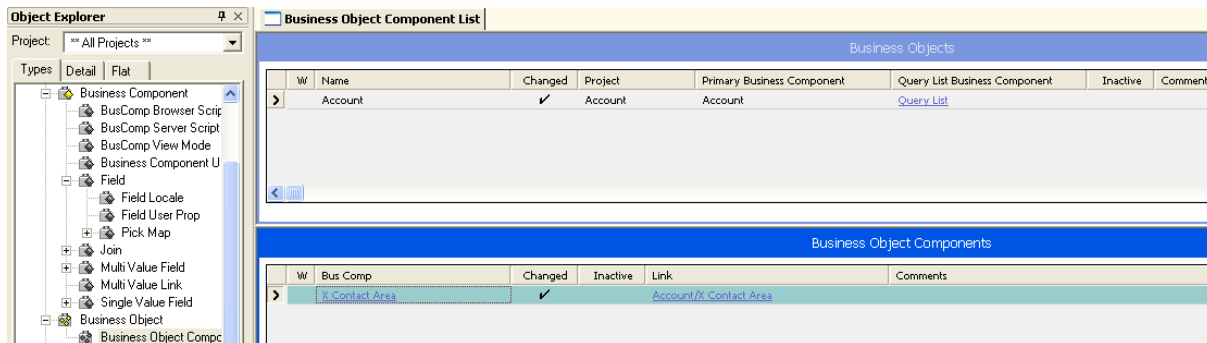
Intersection considerations.

Account (table S_PARTY) >--(intersection table S_PARTY_PER)--< Contact (table S_PARTY)

If you will create BC connect to BC based on S_PARTY_PER it will not work properly. You have to connect BC to Account Or Contact.

Create Bussines Object (is required)

Add your BC to bussines object



Create applet

Use wizard.

Name = BC.Name + „List Applet”|”Detail Applet”



Web Templates

W	Name	Changed	Project	Type	Inactive	Comments
	Applet Form Search Top		Search Execution	Applet Template - Specialized		
	Applet Form With Steps		Common Component:	Applet Template - Form		
	Applet Grid Wizard		Common Component:	Applet Template - Grid Layout		
	Applet HI Gantt Chart		Activity HI Calendar	Applet Template - Specialized		HI Gantt Chart Applet
	Applet Head		Common Component:	Applet Template - Specialized		
	Applet Items Displayed		SWE	Applet Template - Specialized		Applet Template for Items D
	Applet Layout Controls		Common Component:	Applet Template - Specialized		
	Applet Links Portal		Commc	Web Template List		Web Template - Layout (Applet ...
	Applet List (Base/EditList)		Commc			
	Applet List (Base/EditList) Toggle Bar		ERM Pa			
	Applet List Dyn Edit		CS TAF			
	Applet List Edit (Edit/New/Query)		Commc			
	Applet List Edit (Edit/New/Query) New Record		ERM Pa			
	Applet List Edit (Edit/New/Query) Delete Record		Commc			
	Applet List Edit (Edit/New/Query) Copy Record		Commc			
	Applet List Edit (Edit/New/Query) Undo Record		Commc			
	Applet List Inverted		Commc			
	Applet List Merged (Base/EditList)		Commc			
	Applet List Message		Commc			
	Applet List Portal		Commc			
	Applet List Portal (Graphical)		Commc			
	Applet List Portal Auto		eAuto I			
	Applet List Portal Headerless		Commc			
	Applet List Portal Headerless Compare Objects		eAuto I			
	Applet List Portal LS Sample		LS Phar			
	Applet List Portal Toggle Bar		ERM Pa			
	Applet List Search Results		Search			
	Applet List Tiny Headerless		Commc			
	Applet List Totals (Base/EditList)		Commc			
	Applet List Totals (Base/EditList) Lock Object		ERM Compensat	Applet Template - Specialized		

View Web Layout

Don't know which Web template and mode use ? Look into existing applet here:

Applets

W	Name	Changed	Project	Business Component	Class
	X Contact Area Applet		X Extensions	X Contact Area	CSSFrameList

Applet Web Templates

W	Name	Changed	Sequence	Type	Web Template
	Base		0	Base	Applet List (Base/EditList)
	Edit		0	Edit	Applet List Edit (Edit/New/Query)
	Edit List		0	Edit List	Applet List (Base/EditList)

With these settings..

Applet Web Templates

W	Name	Changed	Project	Business Component	Class
	X OES Survey List Applet		X Extensions	X OES Survey	CSSFrameList

Applet Web Templates

W	Name	Changed	Sequence	Type	Web Template	Upgrade
	Base		0	Base	Applet List (Base/EditList)	Preserv
	Edit		0	Edit	Applet List Edit (Edit/New/Query)	Preserv
	Edit List		0	Edit List	Applet List (Base/EditList)	Preserv

View.AppetContainer.AppletMode = Base

..the Application will look like this

Account Id	Approver Id	System Name	Consultant	Service Notes	Document Date
1	1	1	1		2010-10-13 13:19:37
2	2	2	2		2010-10-16 13:20:02
3	3	3	3		2010-10-13 13:22:31

Edit on separate mode:

Survey

Menu

Account Id: 2

System Name: 2

Consultant: 2

Service Notes: 2

Document Date: 2010-10-16 13:20:02

Same Applet Web templates, but

View.AppetContainer.AppletMode = Edit List

Edit in grid:

Account Id	Approver Id	System Name	Consultant	Service Notes	Document Date
1	1	1	1		2010-10-13 13:19:37
2	2	2	2		2010-10-16 13:20:02
3	3	3	3		2010-10-13 13:22:31

Web Layout - Fields

Choose the Business Component fields that will appear in the Web layout by selecting them from the list on the left and moving them to the list on the right.

Available Fields:

Selected Fields:

- Account Id
- Area Id
- Comments
- Created
- Created By
- Enabled
- Id
- Party Per Id
- Person Id
- Type
- Updated
- Updated By

→

←

↑

↓

↕

↕

Reset

< Wstecz **Dalej** > Anuluj

Web Layout - Fields

Choose the Controls to be added to the Applet. These Controls are used for navigational purposes. The description of these Controls is given below

Available Controls:

Selected Controls:

- DeleteRecord
- EditRecord
- ExecuteQuery
- GotoNextSet
- GotoPreviousSet
- NewQuery
- NewRecord
- PositionOnRow
- QueryAssistant
- UndoQuery
- UndoRecord
- WriteRecord

→

←

↑

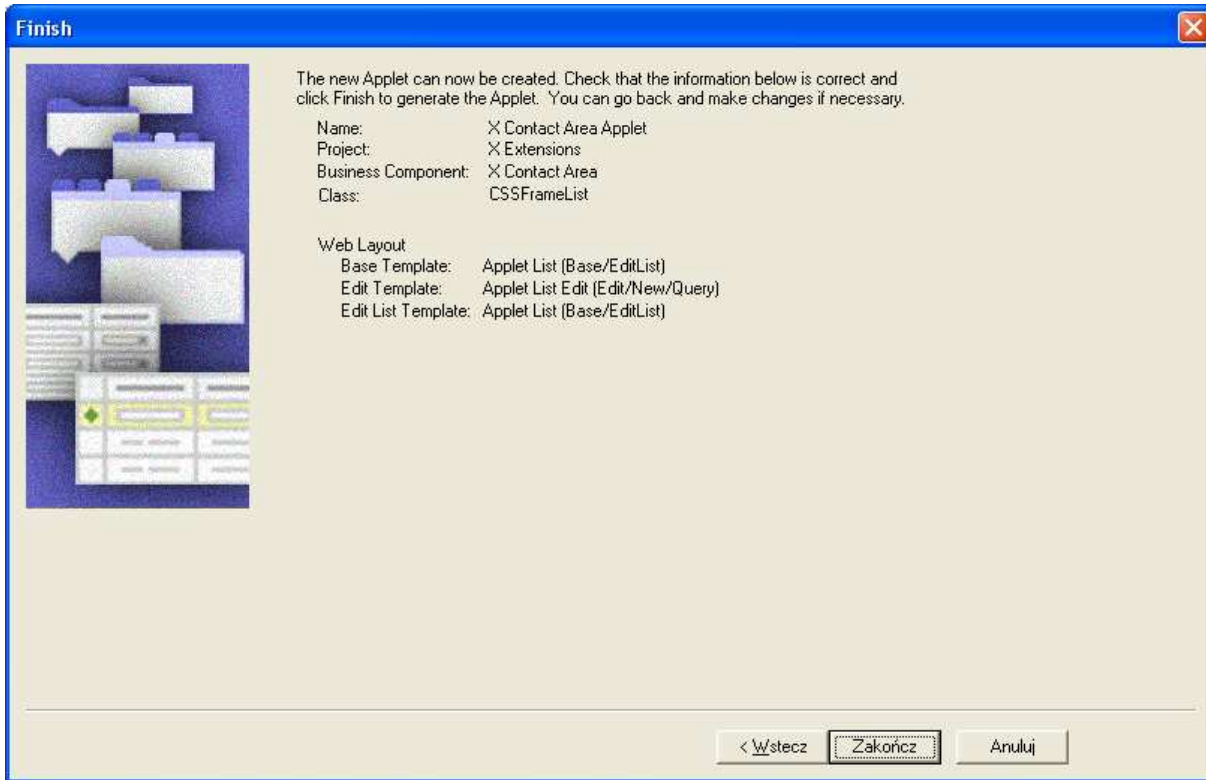
↓

↕

↕

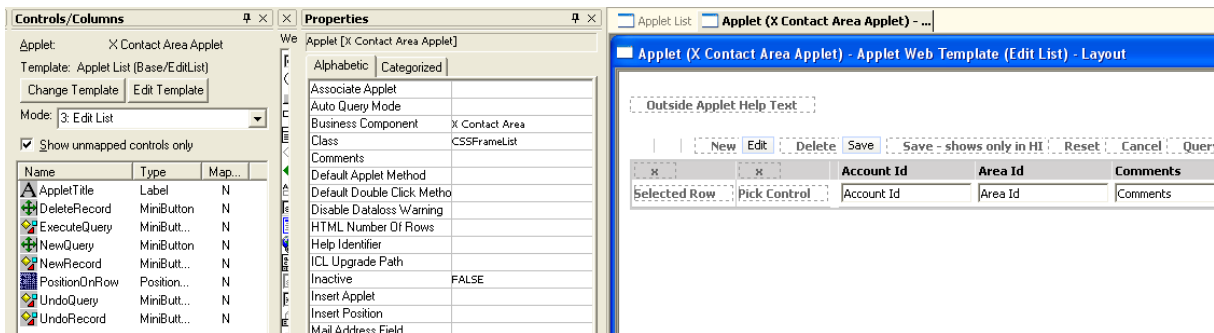
Description:

< Wstecz **Dalej** > Anuluj



Applet customizations

Layout



Formatting numbers

For detail applets :

Applet.Control.Display Format property = \$###,###,##0.000

Applet.Control.Text Alignment = Right

For list applets:

Applet.List.List Column.Display Format property = \$###,###,##0.000

Applet.List.List Column.Text Alignment = Right

This not works, why ?

Home Accounts Contacts Opportunities Service Quotes Administration - Product Survey OES Setup Calendar Activities Administration - User Administration - Data

List of values (X OES...) Verify Information Templates Quality Assurance Templates Units of Measurement Administration Project Mappings Projects Fulfillment Centers Activity Templates Competitors Decision Issues Locale Currency

ELL Greek - Greece Greek - Greece
 ENG English - United King English - United Kingdom
 > ENU English - United Stat English - United States
 ESN Spanish - Spain (Int: Spanish - Spain (International Sort))

Locale Parameter Locale Name Translation

Menu New Delete Query

Locale Code: ENU
 Locale Name: English - United States
 Description: English - United States
 UI Directionality: Left To Right
 International Dialing Code: USA & Canada (1)

Positive Currency Format: \$100
 Negative Currency Format: (\$100)
 Currency Decimal Separator: .
 Currency Grouping Separator: ,
 Number Decimal Separator: .
 Number Grouping Separator: ,
 Number Leading Zero:
 Number Fractional Digits: 2
 List Separator: ,

Long Date Format: dddd, MMM dd, yyyy
 Short Date Format: yyyy/m/d
 Date Separator: /
 Time Separator: :
 Time Leading Zero:
 24-hour clock:
 Time Designator Position: Suffix
 Time A.M. Designator: AM
 Time P.M. Designator: PM

Tab order = HTML Sequence

Number of rows in list applet

Properties

Applet [X OES Survey List Applet]

Alphabetic Categorized

Associate Applet	
Auto Query Mode	
Business Component	X OES Survey
Class	CSSFrameList
Comments	
Default Applet Method	
Default Double Click Method	
Disable Dataloss Warning	FALSE
HTML Number Of Rows	10
Help Identifier	

Currency field

Detail applet on control, appropriate mappings on BC level, see:

Home Accounts Contacts Opportunities Service Quotes Administration - Product Survey OES Setup Change Management Projects

Request For Change

Any RFC

Menu New Delete Cancel Query

Change Information

RFC No.: 1-7758L
 Summary: Any RFC
 Division:

Category: Major
 Severity:
 Urgency:

Details

Planned Start:
 Planned End:
 Status: Active
 Access: HOTLINE
 Emergency:

More Info User Activities Attachments Calendar Incidents / Problems Tasks Approvals Assets Notes

New	Type	Description	Cost	Actual Cost	Budgeted Cost	Planned Start	Due	Last Nar
>	Other		✓	98,00 zł		25-10-2011 09:54:11	25-10-2011 09:54:11	

Currency Code: PLN
 Exchange Date: 25-10-2011
 Amount: 98,00 zł

Business Components

Search Specification	W	Name	Changed	Project	Cache Data	Class
> ((([Template Flag] <= 'Y' AND [Templ		Action	✓	Activity		CSSBCFINSActivity
		Project	✓	PS Project M:		CSSBCProject

Fields

Column	Currency Code Field	Dest Field	Exchange Date Field
ASSOCIATED_COST	Amount Currency Code		Amount Exchange Date
> EST_COST_AMT	Budgeted Cost Currency Code		Budgeted Cost Exchange Date

RTF Edit field

Home Accounts Contacts Opportunities Service Quotes Administration - Product Survey OES Setup Change Management Request For Change

Change Information

RFC No.:* 1-7758L
 Summary:* Any RFC
 Division: [Dropdown]
 Change Plan Mandatory Flag:
 Rollback Plan Mandatory Flag:

Details

Category: Major
 Severity: [Dropdown]
 Urgency: [Dropdown]
 Planned Start: [Calendar]
 Planned End: [Calendar]
 Status:* Active
 Access: HOTLINE
 Emergency:

More Info | User | Activities | Attachments | Calendar | Incidents / Problems | Tasks | Approvals | Assets | Notes

Public Notes | Private Notes

Public Notes

Menu | 1 - 10 of 10

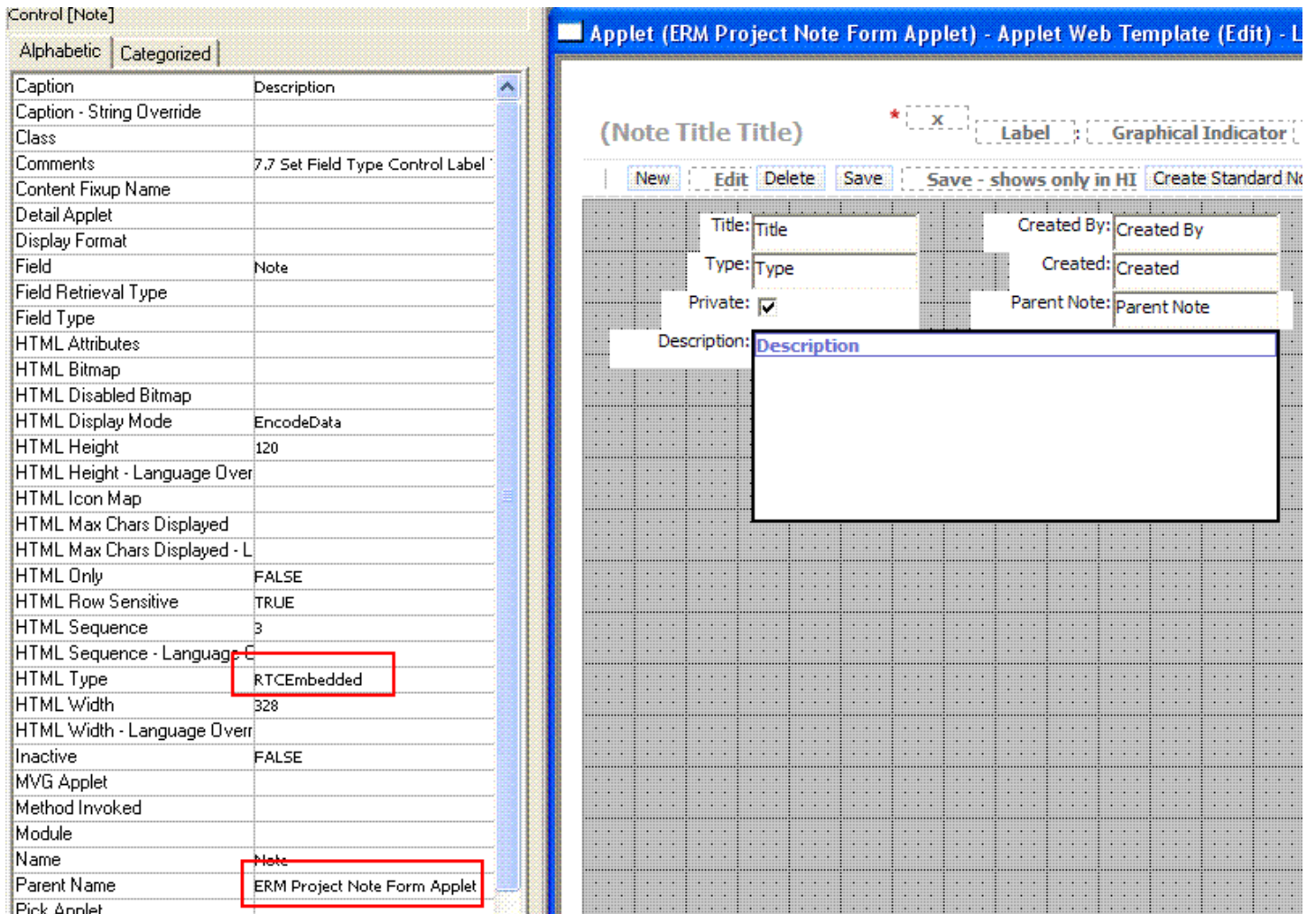
- > Backout Plan
- Change Successful
- Change in Response To
- Full Change Description
- Implementation Notes
- Notes for future Changes
- Notes on Success or Failure
- CI characteristic
- Risk of implementation
- Business Impact

Backout Plan

Menu | New | Delete | Create Standard Notes | Query

Title:* Backout Plan
 Type:* Note
 Private:
 Created By: MSZYMCZA
 Created: 25-10-2011
 Parent Note: [Dropdown]

Description: [RTF Editor]



URL controls

<http://blog.notesonsiebel.com/2007/06/>

There are a couple of options to display a hyperlink to an external site from Siebel 7. The simplest is to set the following properties on an applet control:

- HTML Type: URL
- HTML Display Mode: EncodeData

This will URL-encode the field and wrap it in an HTML link tag `<a>`. As long as your field contains a valid URL, you'll have a working hyperlink. In the high-interactivity client the URL will by default open in a new browser window; to support the same behaviour in the standard interactivity client, set:

- HTML Attributes: target='_blank'

This approach doesn't allow you to change the link title, however, so if it's a big ugly URL you'll have a big ugly field displayed in your applet. As an alternative, you can hand-code the hyperlink. Set the calculated value on your field as follows:

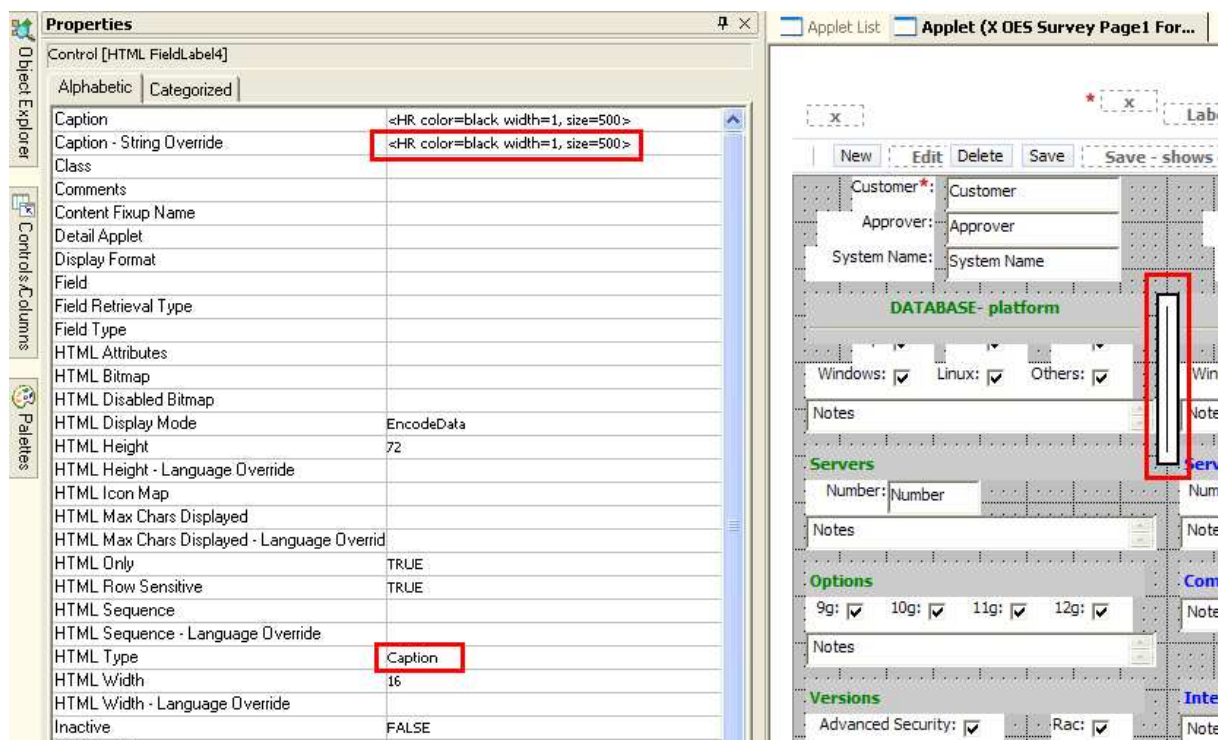
```
"<a href='http://yourURL.com/yourtargetpage.htm' target=_blank>Your Link Text</a>"
```

(Note the enclosing double-quotes.) Then set up your applet control:

- HTML Type: Field
- HTML Display Mode: DontEncodeData
- Runtime: Y

This tells the Siebel UI to interpret the contents of the field as raw HTML – so you see your hyperlink exactly as constructed.

Vertical Line



<HR color=black, width=1, size=500>

How to disable applet menu items

For v 8.0.x:

a) Logon to Tools and on Object Explorer go to Applet>Applet user prop

here disable all the user properties starting with "Save Target List Source" and "Apply Target List Source" .

b) Compile the srf and test if the values are still there.

For v 7.x;

Refer

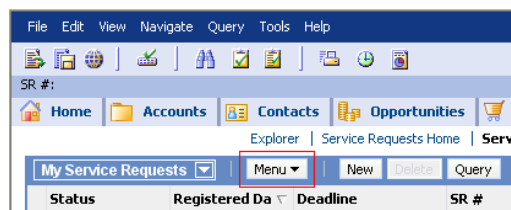
FAQ 2271: How Can You Inactivate or Suppress Applet Menu Items and Application Menu Items for an Applet?

Applet Menu items may also be disabled by adding a CanInvokeMethodCanInvokeMethod:methodname user property to disable a method or using applet or business component user properties such as making them read only.

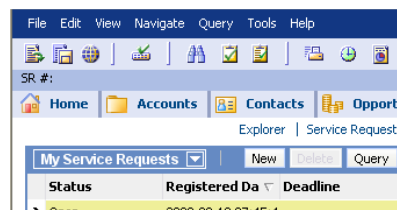
How to remove MENU Dropdown from one Applet

Idea: change appropriate .swt file from WEBTEMPL directory and restart browser (recompilation of applet is not required).

Before change



After change



More:

1. Navigate to the client or tools WEBTEMPL folder and copy the following files:
 - CCFormButtonsTop.swt, name clone CCFormButtonsTop_Custom.swt
 - CCAppletFormGridLayout.swt; name clone CCAppletFormGridLayout_Custom.swt
2. Navigate to Web Templates , search for Applet Form Grid Layout and copy it, naming the cloned template “Applet Form Grid Layout_Custom”.
3. Set the filename of the Applet Form Grid Layout_Custom to CCAppletFormGridLayout_Custom.swt
4. Navigate to the Applet, search for the applet where the menu button is to be removed and update the Applet Web Template Edit to use the Applet Form Grid Layout_Custom web template.
5. Compile all the modified objects into the SRF
6. Open the CCAppletFormGridLayout_Custom.swt in a text editor and alter the following line:
<swe:include file="CCFormButtonsTop.swt"/>
to:
<swe:include file="CCFormButtonsTop_Custom.swt"/>
7. Open the clone CCFormButtonsTop_Custom.swt in a text editor and remove the lines of code under the header <!-- Menu Button Area --> to start of the header <!-- Other Buttons Area -->
8. Recompile applet

https://metalink3-dr.oracle.com/od/faces/secure/ml3/sr/SRDetail.jspx?_afPfm=c

SR: 3-917757851

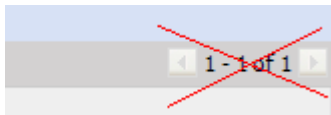
How to highlight important text in Siebel (using RTF).

- a) Go to Applet>Control
- b) Go to the field for which you want to enable this and set the following properties
HTML Display Mode – EncodeData
HTML Type – RTCEmbedded
Runtime – checked
- c) Save and Compile the changes.

How to hide record navigation

In single record view record navigation is not necessary.

In order to hide this element:



Replace “<swe:include file="dCCFormButtonsTop.swt"/>” with

“<swe:include file="dCCFormButtonsTopNoRecNav.swt"/>” in file

dCCApletForm2Col.swt

How to find appropriate *.swt ?

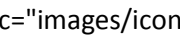
See Applet -> Applet Web Template

IN ORDER TO SEE CHANGES, YOU MUST DO TWO THINGS: 1/ MODIFY SWT FILE. 2/ RECOMPILE IN TOOLS PROPER WEB TEMPLATE.

Label customizations

Red asterisk

W caption wpisz:

Customer

Hot track

Status

Link do view in label / table

Desired effect	How to do it
	" Our records indicate that you recently updated your address. Please verify that your user profile is current."
TEXT	"<table width=100%><tr><td><div class='Welcome'>" + "TEXT" + "</div></td></tr></table>"
Username OrgName	"<table width=100%><tr><td><div class='Welcome'>" + GetProfileAttr ("Full Name")+"</div></td><td><div class='Welcome'><p align='right'>" + GetProfileAttr ("X Organization")+"</p></div></td></tr></table>"
	<tr><td width="50%"><hr size="1" class="PageRule"></td><td nowrap class="PageHeader">My Account</td><td width="50%"><hr size="1" class="PageRule"></td></tr></table><table width="100%"><tr><td>
Framed applet	See applet: My Info Links Applet Web template: DotCom Applet Links 2 Link is made by user property
Tab applet	

Kolor tła pola

Requestor: 

== >

```
HTML Attributes cols=100 rows=8 id="X_Description" style="background-color:#ff0000;"
```



```
style="background-color:#ff0000;"
```

```
style="width:100%;height:300px;background-color:#f0f0f0;"
```

```
<img src='images/icon_drag_on.gif' border=0>
```

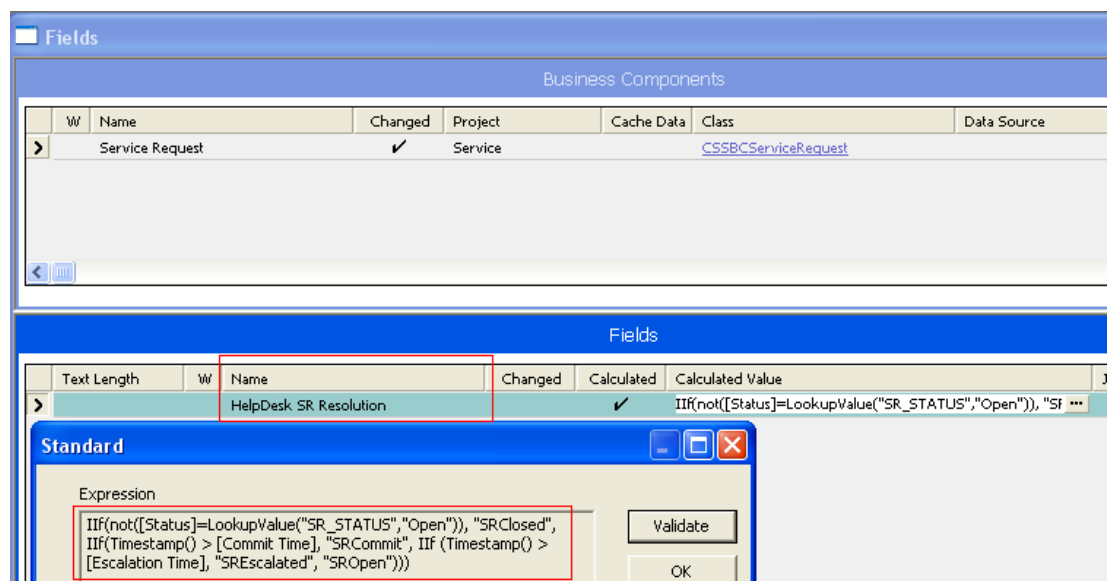
Element graficzny w liście

Pożądany efekt:

All Service Requests across Organizations							Menu	New	Delete	Query
Status(Icon)	New	SR #	Account	Last Name	Owner	Summary				
	<input checked="" type="checkbox"/>	1-201801	Polpharma	Szymczak	MMINDA	mySubj				
		1-201971	Polpharma		MWERULIK					

Jak to zrobić:

1. Utwórz pole wyliczone w BC zwracające wartości, które potem zamapujesz na obrazki, np.

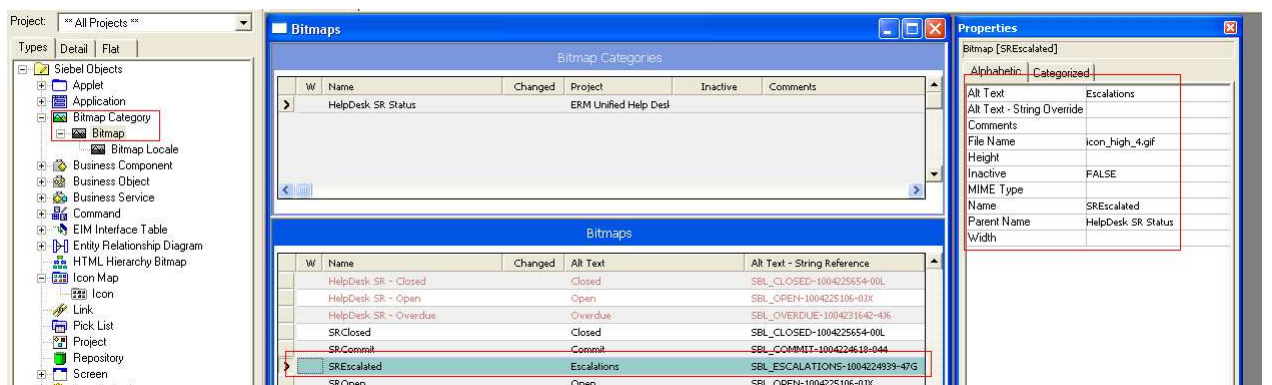


The screenshot shows the Siebel Business Component configuration interface. The top section is titled "Business Components" and contains a table with columns: W, Name, Changed, Project, Cache Data, Class, and Data Source. A row is visible for "Service Request" with a checked "Changed" box and "Service" in the Project column.

The bottom section is titled "Fields" and contains a table with columns: Text Length, W, Name, Changed, Calculated, and Calculated Value. A row is visible for "HelpDesk SR Resolution" with a checked "Changed" box and a calculated expression in the Calculated Value column.

A "Standard" dialog box is open, showing the "Expression" field with the following text: `IIF(not([Status]=LookupValue("SR_STATUS","Open")), "SRClosed", IIF(Timestamp() > [Commit Time], "SRCommit", IIF (Timestamp() > [Escalation Time], "SREscalated", "SROpen")))`. The "Validate" and "OK" buttons are visible.

2. Utwórz Bitmap category (w następnym kroku Icon Map będzie się odwoływał do bitmap category)



The screenshot shows the Siebel Bitmap configuration interface. The left pane shows the "Types" tree with "Bitmap Category" selected. The main pane is titled "Bitmaps" and contains two tables.

The top table is "Bitmap Categories" with columns: W, Name, Changed, Project, Inactive, and Comments. A row is visible for "HelpDesk SR Status" with "ERM Unified Help Des" in the Project column.

The bottom table is "Bitmaps" with columns: W, Name, Changed, Alt Text, and Alt Text - String Reference. A row is visible for "SREscalated" with "Escalations" in the Alt Text column and "SBL_ESCALATIONS-1004224939-47G" in the Alt Text - String Reference column.

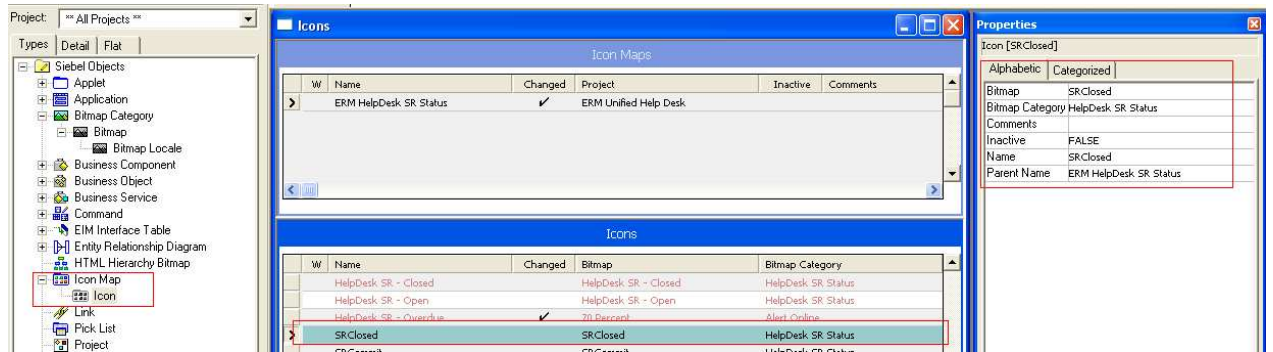
The right pane is titled "Properties" and shows the properties for the selected "Bitmap [SREscalated]". The "File Name" property is set to "icon_high_4.gif".

3. Utwórz Icon Map (w następnym kroku pole apletu będzie się odwoływało do icon map)

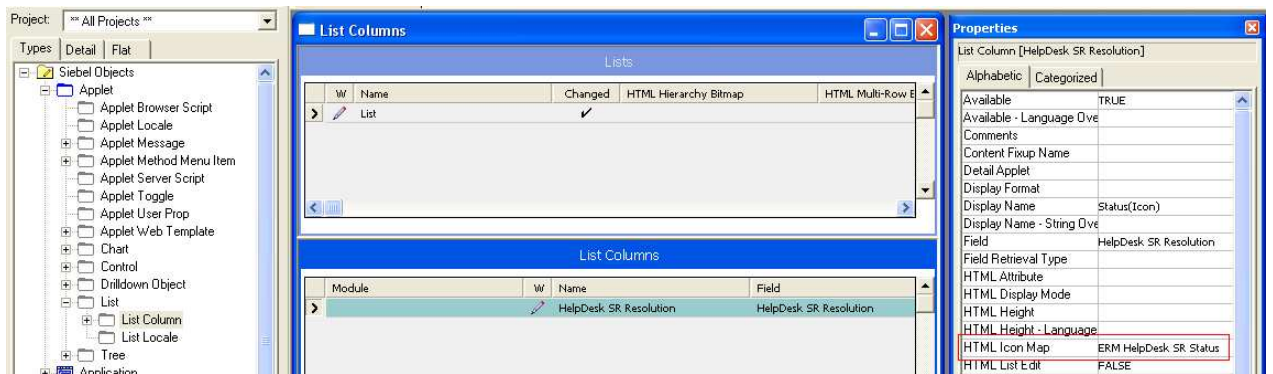
Bitmap Category = bitmap category.name

Bitmap = bitmap category.bitmap.name

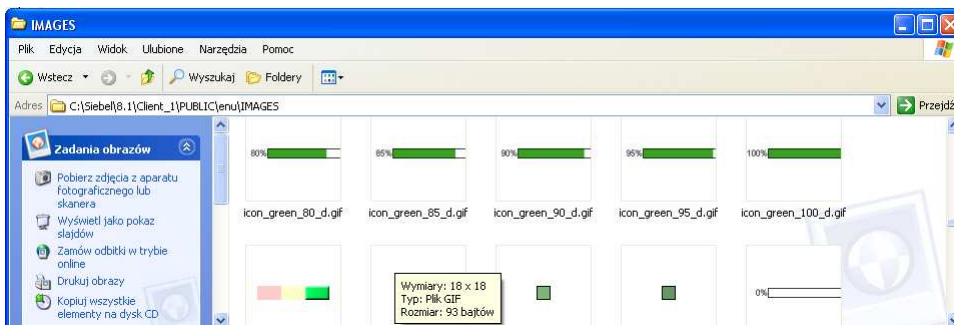
Name = mapowanie na BC.Field.value



4. Utwórz pole na aplecie z właściwością .HTML Icon Map



5. Pamiętaj, żeby na serwer skopiować *.gif (lokalizacja pliku na kliencie: C:\Siebel\8.1\Client_1\PUBLIC\enu\IMAGES, C:\Siebel\8.1\Client_1\PUBLIC\plk\IMAGES)

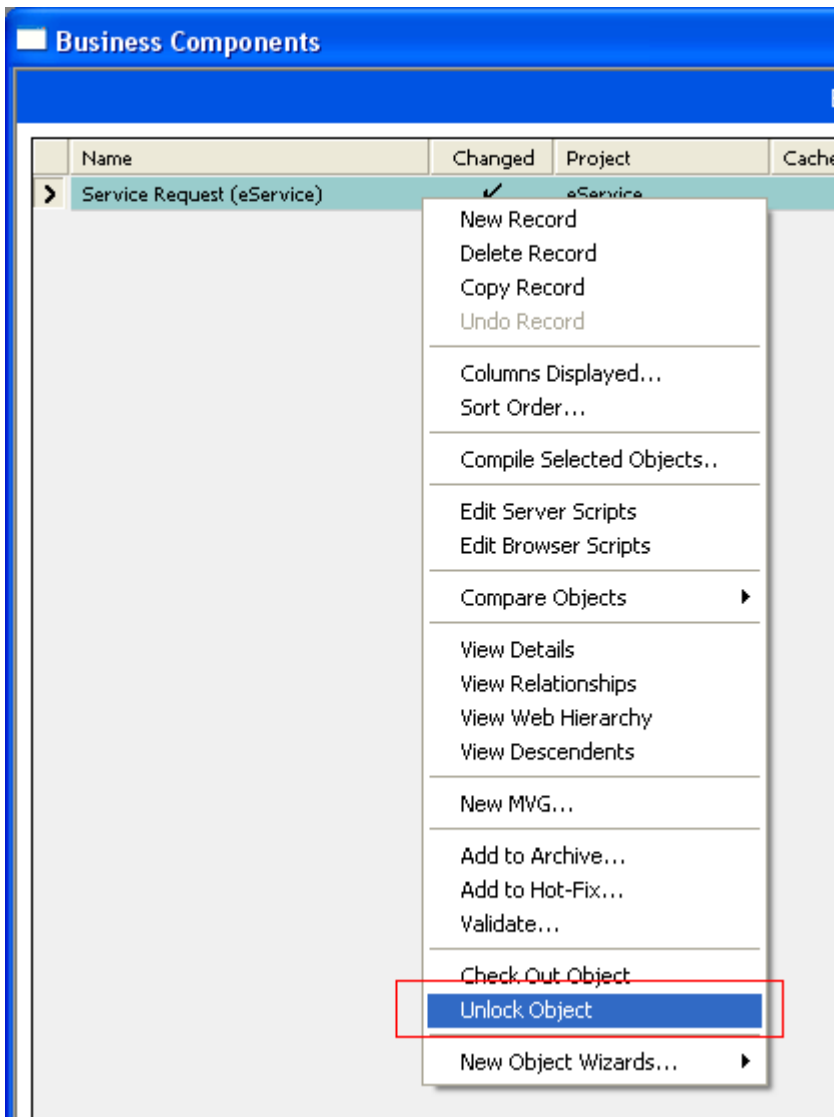


Pole tekstowe z edytorem tekstowym

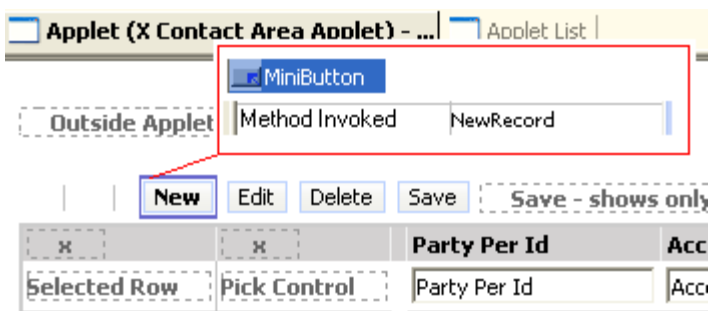
applet.field.HTML Type = TextArea

Pole tekstowe bez edytora tekstowego

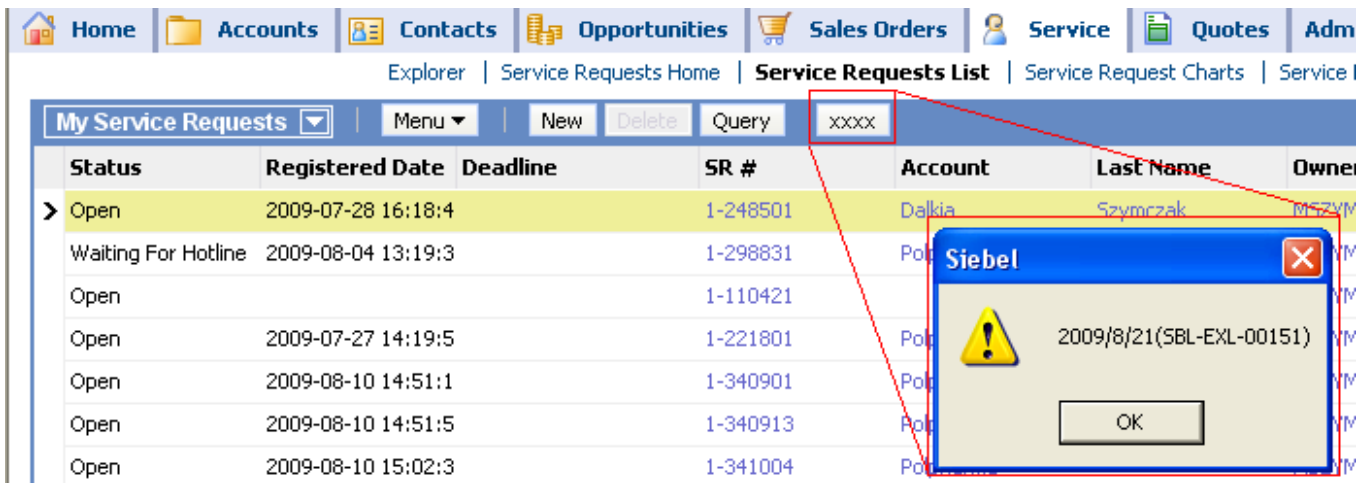
applet.field.HTML Type = Text



New button

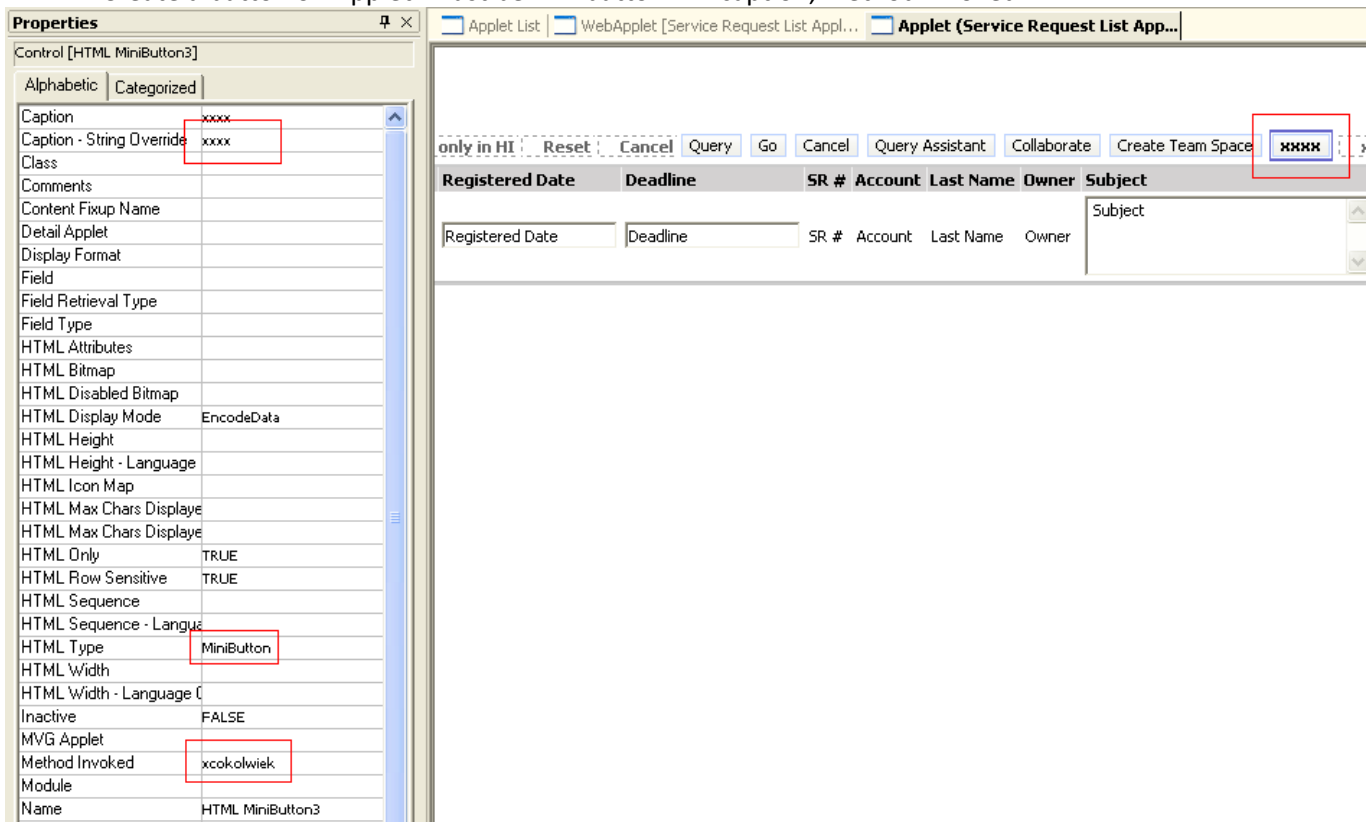


Custom button with custom method



Solution:

1. Create a button on Applet. Must be minibutton. Fill caption, method invoked.



2. Enable button on Applet - preCanInvokeMethod, server script. Compile Applet.



cancelOperation = finished, do not check canInvokeMethod condition on BC level

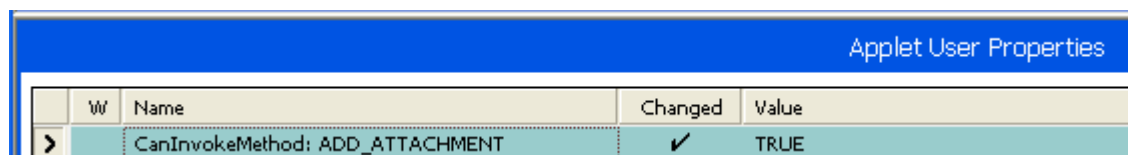
continueOperation = check canInvokeMethod condition on BC level

```
function WebApplet_PreCanInvokeMethod (MethodName, &CanInvoke)
{
  var currentLoginName = TheApplication().LoginName();

  if (MethodName=="xcokolwiek" )
  {
    CanInvoke="TRUE";
    return (CancelOperation);
  }

  CanInvoke="TRUE";
  return (ContinueOperation);
}
```

Alternatively:

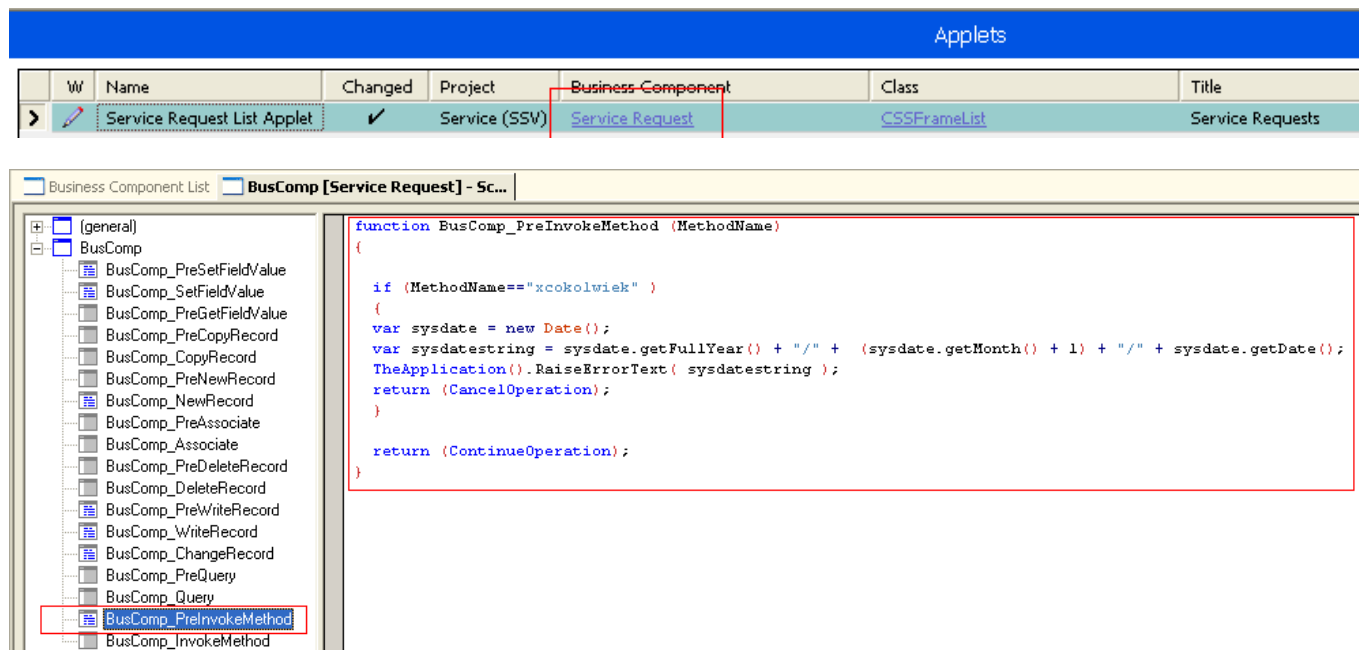


W	Name	Changed	Value
>	CanInvokeMethod: ADD_ATTACHMENT	✓	TRUE

CanInvokeMethod: <name> = True or N (N - this is not a mistake !)

Values: "GetProfileAttr("Primary Responsibility Name") = "X_HOTLINE_PL"" , "ParentFieldValue("X SR Type") = "SR"" are allowed as well.

3. Go to bussiness component. Fill PreInvokeMethod - server scripts. Compile BC.



Applets

W	Name	Changed	Project	Business Component	Class	Title
>	Service Request List Applet	✓	Service (SSV)	Service Request	CSSFrameList	Service Requests

Business Component List BusComp [Service Request] - Sc...

- (general)
- BusComp
 - BusComp_PreSetFieldValue
 - BusComp_SetFieldValue
 - BusComp_PreGetFieldValue
 - BusComp_PreCopyRecord
 - BusComp_CopyRecord
 - BusComp_PreNewRecord
 - BusComp_NewRecord
 - BusComp_PreAssociate
 - BusComp_Associate
 - BusComp_PreDeleteRecord
 - BusComp_DeleteRecord
 - BusComp_PreWriteRecord
 - BusComp_WriteRecord
 - BusComp_ChangeRecord
 - BusComp_PreQuery
 - BusComp_Query
 - BusComp_PreInvokeMethod
 - BusComp_InvokeMethod

```
function BusComp_PreInvokeMethod (MethodName)
{
  if (MethodName=="xcokolwiek" )
  {
    var sysdate = new Date();
    var sysdatestring = sysdate.getFullYear() + "/" + (sysdate.getMonth() + 1) + "/" + sysdate.getDate();
    TheApplication().RaiseErrorText( sysdatestring );
    return (CancelOperation);
  }

  return (ContinueOperation);
}
```

```
function BusComp_PreInvokeMethod (MethodName)
{
  if (MethodName=="xcokolwiek" )
  {
    var systdate = Clib.time();
    var sysdatestring = systdate.getFullYear() + "/" + (systdate.getMonth() + 1) + "/" + systdate.getDate();
    TheApplication().RaiseErrorText( sysdatestring );
    return (CancelOperation);
  }

  return (ContinueOperation);
}
```

Alternatively:

Business Component User Properties			
W	Name	Changed	Value
	Named Method		"Create Product Issue", "INVOKE", "Service Request", "WriteRecord"
	Named Method 1		"Create Product Issue", "INVOKESVC", "Service Request", "Workflow Process Manager"
>	Named Method 10	✓	"xcokolwiek", "INVOKESVC", "Service Request", "X Send Email", "Action Req Warning"

"xcokolwiek"	Method name
"INVOKESVC"	Constant
"Service Request"	This bc name
"X Send Email"	BS name
"Action Req Warning"	BS metdod name
	Optional - argument name 1
	Optional - argument value 1
	Optional - argument name 2
	Optional - argument value 2
	...

Menu item

Commands						
W	Name	Change	Project	Target	Method	Business Service
>	Update Customer Code	✓	AAA Workflows	Server	ABCWF	

Applets				
W	Name	Changed	Project	Business Component
>	Contact Form Applet	✓	Contact (SSE)	Contact

Applet Method Menu Items			
Command	Changed	Menu Text	Menu Text - String Reference
>	Update Customer Code	✓	Update Contact Identifier

Commands						
W	Name	Change	Project	Target	Method	Business Service
>	Update Customer Code	✓	AAA Workflows	Server	ABCWF	

Applet User Properties			
W	Name	Changed	Value
	DeDuplication Results Applet		DeDuplication Results (Contact) List Applet
	Named Method 1: SynchContact		"INVOKE", "WriteRecord"
	Named Method 2: SynchContact		"INVOKE", "EventMethodSynchContact"
>	Named Method: ABCWF	✓	"INVOKESVC", "Workflow Process Manager", "RunProcess", "ProcessName", "All Update ContactCode", "RowId", [Id]

Invoke this business service and method and ...

... pass in these pairs of argument names and values

Use syntax for field Value from previous example, because I dont know whether this example works fine.

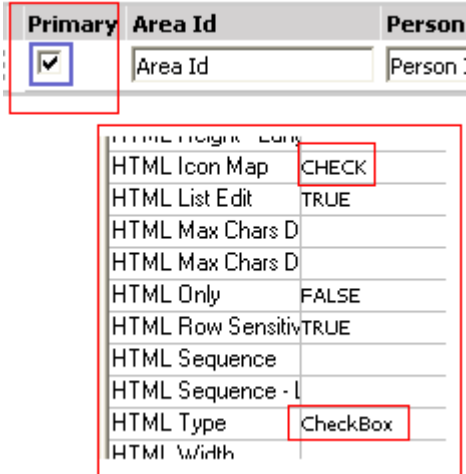
Unbound control

Jak zrobić na aplicie kontrolkę nie związaną z kolumną w tabeli w bazie danych?

Utwórz w BC pole o typie calculated. Utwórz control w aplicie w oparciu o to pole. Po prostu. Żadne inne czynności nie są wymagane.

Uwaga: Domyślnie w takie pole można wpisać maks. 255 znaków. Aby to zmienić czytaj następny punkt.

Checkbox



Gdy zrobisz kolumnę w tabeli o typie Character(1), to automatycznie pole w BC będzie Bool i kreator automatycznie zrobi na aplicie checkbox.

Odczytanie wartości pola checkbox z poziomu escript:

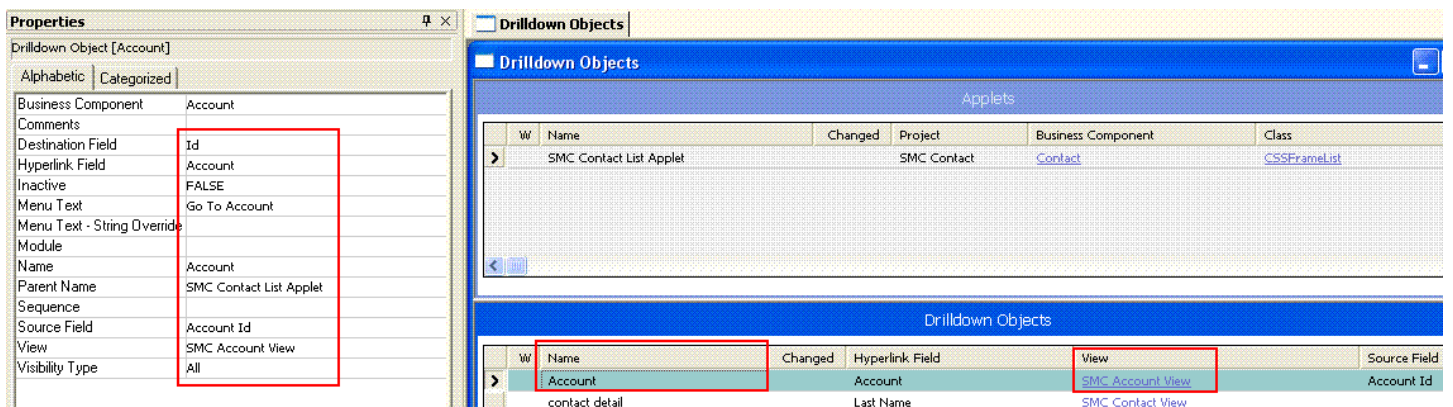
```
This.getFieldValue("field name")
```

CheckBox zawsze zwraca wartości Y/N/NULL (nigdzie nie ustawia się wartości zaznaczonego, nie zaznaczonego pola. NULL w przypadku gdy checkbox nie był dotknięty)

1. CheckBox (BC.Field.Type = DTYPE_BOOL) zwraca wartości Y, N (nie true/false).
2. Możesz utworzyć obliczenie "NOT [nazwa pola]" (zmienia N->Y, Y->N, ""->"")

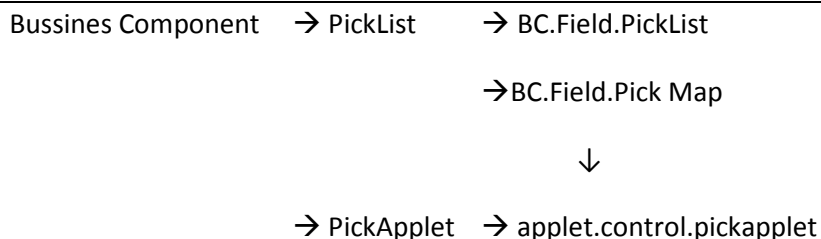
Drilldowns

1/ on Record



Lookup

Idea: Dodaj do BC link do tabeli słownikowej i dodaj do BC pole wyświetlane z tabeli słownikowej, utwórz listę i podłącz do pola. Nie trzeba obsługiwać zdarzeń typu „when-new-record-instance” jak w Forms.



Statyczna lista wartości

Są trzy rodzaje list wartości:

1/ **BC**.Field.PickList –może być ograniczana elementem nadrzędnym, może być oparta na dowolnym BC (wtedy mówi się, że jest dynamiczna), ale z reguły jest oparta na standardowym, generycznym BC i standardowej tabeli S_LST_OF_VAL (wtedy mówi się, że jest statyczna). Lista pojawia się w formie Combobox.

2/ **Applet**.Field.Pick Applet – lista do wyboru jednej wartości

Uwaga: "BC.Field.PickList" musisz wykonać zawsze.

Dodatkowo jeżeli chcesz, żeby lista pojawiała się w oddzielnym oknie a nie kombo zrób "Applet.Field.Pick Applet".

W not HI Client (np.eservice) nie pojawi się dynamiczna picklista, jeżeli nie zostanie dla niej wykonany applet.

Nie dotyczy to HI Client.

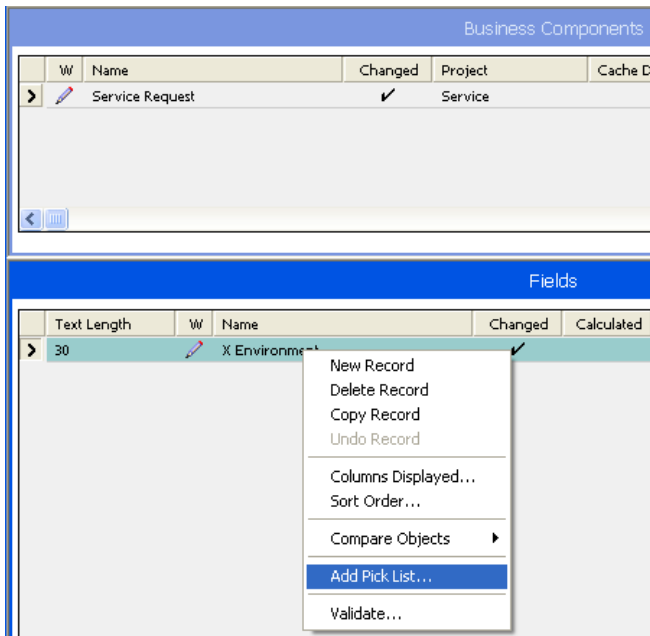
3/ Applet.Field. ~MVG- lista do wyboru wielu wartości (składa się z dwóch apletów)- szczegółowy opis dalej

Zwróć uwagę, że

- pickListę robi się w BC, a pickApplet w applecie
- PickLista i pickApplet korzystają z BC. Oba obiekty muszą odwoływać się do tego samego BC.
- Did you modify picklist ? => Move focus to another picklist, it saves record to repository. Then recompile picklist again. Neither associated BC or applet needn` t to be recompiled.

Ad 1)

PickList jest to obiekt repozytorium tools. Utwórz go za pomocą kreatora.



Picklist List							
Picklists							
	W	Name	Project	Changed	Bounded	Type Value	Business Component
>		X Environment	Service	✓		X_ENVIRONMENT	PickList_Generic
		X Service Agreement Metric Picklist	Srvagree (SSV)	✓	✓		Service Agreement Metric
		XA Class Picklist (CM)	Content Management		✓		XA Class
		XA PickList List Of Values Type	Extended Attributes		✓	LOV_TYPE	XA Class List Of Values BusCo
		XL Import Export Type PickList	Excel Integration		✓	XL_IMPORT_EXPORT_TYPE	PickList_Generic
		XML Character Encoding PickList	EAI Converter Service		✓	TRANSCODE_CHAR_ENCODING_CD	PickList_Generic
		XMLP Login Pick List	XMLP Integration		✓		Report Login BC
		XMLP Report Output Type	XMLP Integration		✓	XMLP_RPT_OUTPUT_TYPE	PickList_Generic
		XMLP Report Output Type Popup	XMLP Integration		✓	XMLP_RPT_OUTPUT_TYPE	PickList_Generic
		XMLP Report Pick List	XMLP Integration		✓		Report Template BC
		XMLP Report Template List	XMLP Integration		✓		Report Template BC
		XMLP Synchronous Pick List	XMLP Integration		✓	XMLP_RPT_SYNC_YESNO	PickList_Generic

Set sort order on picklist rather than on business komponent.

Zwróć uwagę, że Picklist ma z reguły BC=PickList Generic i Type Value= type z list of values.

Ważne:

- Zaznacz projekt określony na BC jako changed, w innym razie kreator picklisty zakończy się z błędem.
- Po utworzeniu picklisty utwórz na serwerze listę wartości, z której korzysta picklista (kreator utworzy listę wartości w bazie lokalnej a nie na serwerze).
- Trzymaj się konwencji nazewniczej: wielkie litery i podkreslenia w kolumnie Type.
- Problemy z listą wartości ?
 - Brak listy ? =>
 - Ustaw `applet.control.runtime = true`
 - Dodaj `pickMap` w BC
 - Skompiluj: picklistę, BC, Applet (Move focus to another picklist, it saves record to repository. Then recompile picklist again)
 - Naciśnij przycisk "Clear cache" w oknie "list of values"
 - Sprawdź, czy "state model" jest prawidłowy (jeśli jest)
 - Dodaj `pickApplet` (czasami nie chce działać lista bez `pickapplet`)
 - Czasami wartości na liście nie pojawiają się, bo muszą być podpięte do elementu „general” (`par_row_id = row_id`) – włącz SQL trace żeby zdiagnozować problem.

Type	Display Value	Language-Independ	Language Name	Parent LIC	Order	Active	Translate	Multilingual	Replication Level
ETL_UNSPEC_LOV_1	TODO_TYPE	TODO_TYPE	English-American			✓			All
X_ENVIRONMENT	DEV	DEV	English-American			✓			All
X_ENVIRONMENT	TEST	TEST	English-American			✓			All
X_ENVIRONMENT	PROD	PROD	English-American			✓			All
LOV_TYPE	X_ENVIRONMENT	X_ENVIRONMENT	English-American						
LOV_TYPE	TODO_TYPE	TODO_TYPE	English-American			✓	✓		All

Najpierw dodaj ten wiersz, bo inaczej nie będziesz mógł wpisać wartości w polu type

Wykonaj mapowania np.

tenBC.Field := FieldA z picklisty

tenBC.Field_id := FieldB z picklisty

itd.

Dynamiczna picklista

Ogranicz parent za pomocą pola wyliczanego z BC

Dynamiczna applet lista

1/ Ustawiamy zmienną globalną gdy zmiana w polu nadrzędnym

// to polecenie zostanie wykonane zawsze, nawet jeżeli nic nie zmieniono na rekordzie (=on-new-record-instance)

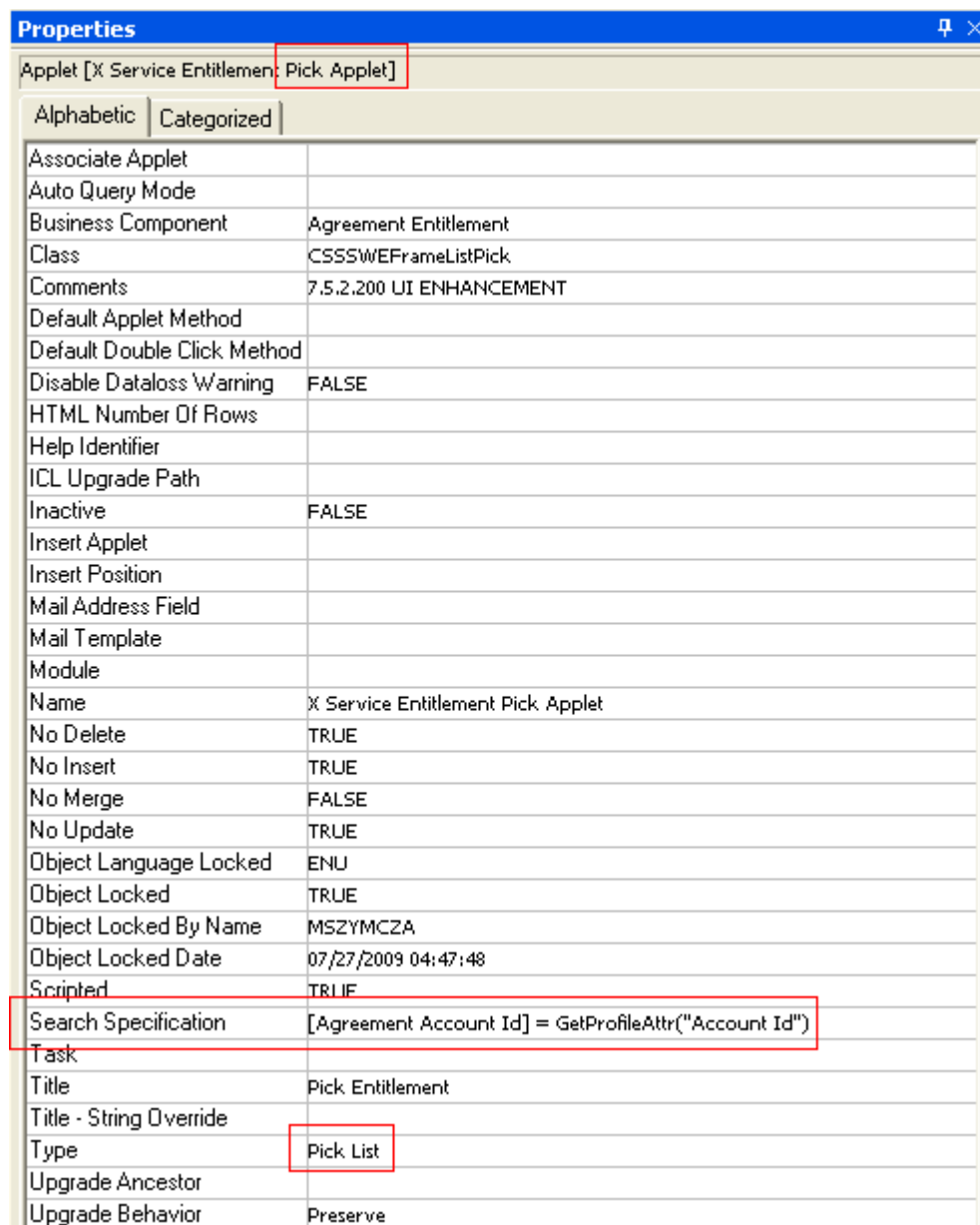
```
function BusComp_ChangeRecord ()
{
    TheApplication().SetProfileAttr("Account Id", this.GetFieldValue("Account Id"));
}
```

//to polecenie zostanie wykonane gdy zostanie zmieniona wartość pola

```
function BusComp_SetFieldValue (FieldName)
{
    if (FieldName == "Account Id")
    {
        TheApplication().SetProfileAttr("Account Id", this.GetFieldValue("Account Id"));
    }
}
```

2/ Odczytujemy zmienną globalną w warunku where pickListy

[Agreement Account Id] = GetProfileAttr("Account Id")



Alphabetic	Categorized
Associate Applet	
Auto Query Mode	
Business Component	Agreement Entitlement
Class	CSSSWEFrameListPick
Comments	7.5.2.200 UI ENHANCEMENT
Default Applet Method	
Default Double Click Method	
Disable Dataloss Warning	FALSE
HTML Number Of Rows	
Help Identifier	
ICL Upgrade Path	
Inactive	FALSE
Insert Applet	
Insert Position	
Mail Address Field	
Mail Template	
Module	
Name	X Service Entitlement Pick Applet
No Delete	TRUE
No Insert	TRUE
No Merge	FALSE
No Update	TRUE
Object Language Locked	ENU
Object Locked	TRUE
Object Locked By Name	MSZYMCZA
Object Locked Date	07/27/2009 04:47:48
Scripted	TRUE
Search Specification	[Agreement Account Id] = GetProfileAttr("Account Id")
Task	
Title	Pick Entitlement
Title - String Override	
Type	Pick List
Upgrade Ancestor	
Upgrade Behavior	Preserve

Dynamiczna applet lista - intersekcja

Problem:

Zbudować listę wartości osób, które mają autoryzację o podanej nazwie.

Osoby są przechowywane w tabeli S_USER.

Autoryzacje są przechowywane w tabeli S_RESP.

Tabele S_USER i S_RESP są w relacji wiele-do-wielu, tabela intersekcyjna to S_PER_RESP.

Rozwiązanie:

1/ Zbuduj BC. Ponieważ w BC wszystkie tabele muszą łączyć się z tabelą bazową*, a my chcemy, żeby utworzyć łańcuch powiązań: user-intersekcja-resp, to jednym sposobem jest przyjęcie, że tabelą bazową jest tabela intersekcyjna.

*-2009.10.29 nie jestem pewny, czy to prawda. Wydaje mi się teraz, że joiny można tworzyć do dowolnej tabeli. Niemniej dalsza część rozwiązania jest prawidłowa.

Business Components				
W	Name	Table	Changed	Project
>	X User Registration-Responsibilities	S_PER_RESP	✓	X Extensions

Joins							
W	Table	Changed	Alias	Outer Join Flag	Inactive	Comments	
>	S_RESP	✓	S_RESP				
	S_USER	✓	S_USER				

Join Specifications																	
W	Name	Changed	Destination Column	Inactive	Source Field												
>	Responsibility Id	✓	ROW_ID		Responsibility Id												
<table border="1"> <tr><td>Comments</td><td></td></tr> <tr><td>Destination Column</td><td>ROW_ID</td></tr> <tr><td>Inactive</td><td>FALSE</td></tr> <tr><td>Name</td><td>Responsibility Id</td></tr> <tr><td>Parent Name</td><td>S_RESP</td></tr> <tr><td>Source Field</td><td>Responsibility Id</td></tr> </table>						Comments		Destination Column	ROW_ID	Inactive	FALSE	Name	Responsibility Id	Parent Name	S_RESP	Source Field	Responsibility Id
Comments																	
Destination Column	ROW_ID																
Inactive	FALSE																
Name	Responsibility Id																
Parent Name	S_RESP																
Source Field	Responsibility Id																

Fields							
W	Name	Changed	Calculated	Join	Calculated Value	Column	
>	Responsibility Id	✓				RESP_ID	
	Responsibility Name	✓		S_RESP		NAME	
	User Id	✓				PER_ID	
	User Login	✓		S_USER		LOGIN	

2/ Zbuduj picklistę

Pick List [X Hotline Logins]	
Alphabetic	Categorized
Bounded	TRUE
Business Component	X User Registration-Responsibilities
Comments	
Inactive	FALSE
Long List	FALSE
Module	
Name	X Hotline Logins
No Delete	TRUE
No Insert	TRUE
No Merge	TRUE
No Update	TRUE
Object Language Locked	
Object Locked	
Object Locked By Name	
Object Locked Date	
Search Specification	[Responsibility Name] = 'X_HOTLINE_PL'
Sort Specification	
Static	FALSE
Type Field	
Type Value	
Visibility Auto All	FALSE
Visibility Type	

3/

To wszystko.

Reszta jak poprzednio: podłącz picklistę do odpowiedniego pola (bc.field.picklist), utwórz mapowanie (bc.field.pickmap), skompiluj wszystkie obiekty.

Fields

W	Name	Picklist	Changed	Calc
	CF Primary Vehicle Odometer Reading			
>	Odometer UOM	X Hotline Logins	✓	

Pick Maps

W	Field	Changed	Constrain	No Clear	Picklist Field
>	Odometer UOM	✓			User Login

Create picklist (*list of values* screen)

Create picklist In tools

Create pickapplet

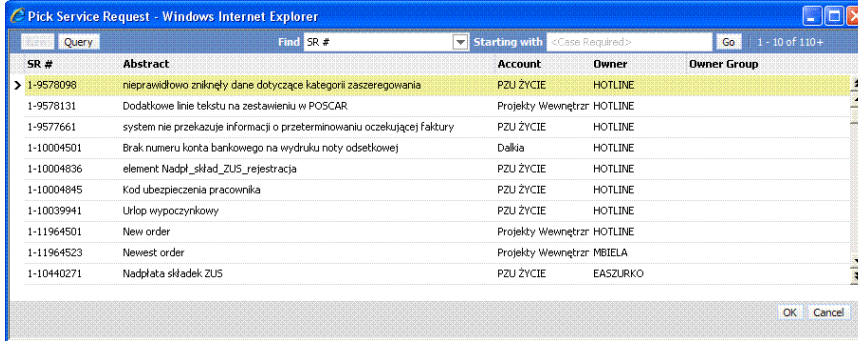
Selected web template is important

W	Name	Changed	Sequence	Type	Web Template	Upgrade Behavior
>	Base	✓	0	Base	Popup List	Preserve

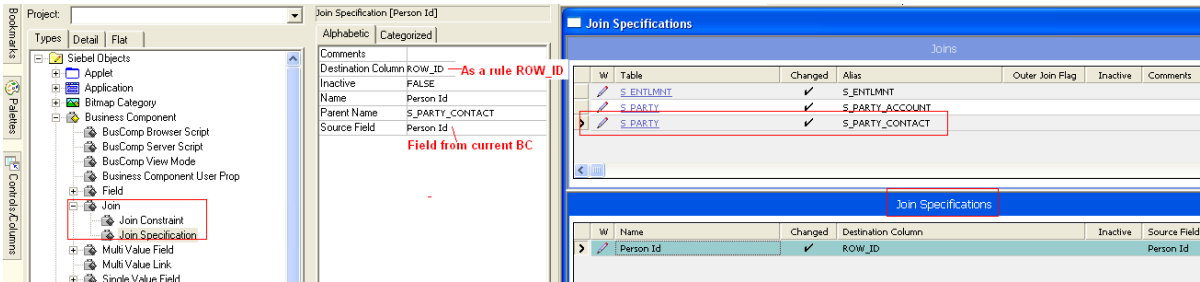
Need to know more about “Configuring Visibility of Pop-Up and Pick Applets” ?

See http://download.oracle.com/docs/cd/B40099_02/books/Secur/Secur_AccessControl55.html

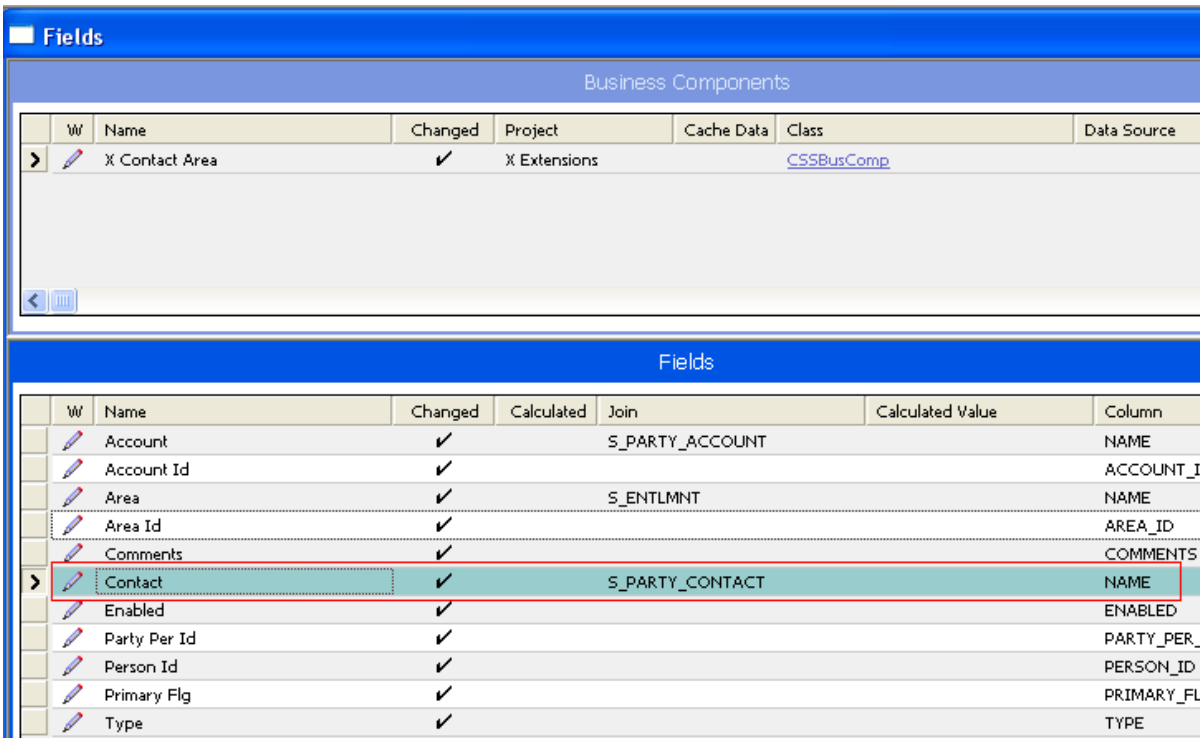
Pick applet with query button example : Service Request Pick Applet



Create join



Create Display Field



Assign PickList

The 'Field [Contact]' configuration window shows the 'PickList' property set to 'PickList SR Contact'. The 'Fields' table lists various fields and their associated business components.

W	Name	Changed	Project	Cache Data	Class
X	Contact Area	✓	X Extensions		CSSBusComp

W	Name	Changed	Calculated	Join	Calculated Value
✓	Account	✓		S_PARTY_ACCOUNT	
✓	Account Id	✓			
✓	Area	✓		S_ENTLMINT	
✓	Area Id	✓			
✓	Comments	✓			
✓	Contact	✓		S_PARTY_CONTACT	
✓	Enabled	✓			
✓	Party Per Id	✓			
✓	Person Id	✓			
✓	Primary Flg	✓			
✓	Type	✓			

Create a PickMap

The 'Pick Map [Contact]' configuration window shows the 'Pick List Field' property set to 'Contact Name'. The 'Pick Maps' table lists the fields and their associated business components.

W	Name	Changed	Calculated	Calculated Value	Join
✓	Account Id	✓			
✓	Area	✓			S_ENTLMINT
✓	Area Id	✓			
✓	Comments	✓			
✓	Contact	✓			S_PARTY_CONTACT

W	Field	Changed	Constrain	No Clear	Picklist Field
✓	Contact	✓			Contact Name
✓	Person Id	✓			Id

Field from current BC Field from BC from pick list

Create field In Applet

The 'List Column List' configuration window shows the 'List Column List' configuration. The 'List Columns' table lists the fields and their associated business components.

W	Name	Field	Changed	Available	Available - Language
✓	Account	Account	✓	✓	
✓	Account Id	Account Id	✓	✓	
✓	Area	Area	✓	✓	
✓	Area Id	Area Id	✓	✓	
✓	Comments	Comments	✓	✓	
✓	Contact	Contact	✓	✓	
✓	Created	Created	✓	✓	
✓	Created By	Created By	✓	✓	

In that place for form view applet (single record)
In that place for list view applet (a lot of records)

Set applet.control „Runtime“=true

Set applet.control „required“

Set applet.pickapplet

This is optional step.

If not pick applet => combo box will appear.

If pickapplet => popup view icon will appear

MVG



Siebel.mvg.doc

List view with totals (summaries, summary)

Desired effect

The screenshot shows the Siebel CRM interface for an invoice. The top navigation bar includes 'Home', 'Accounts', 'Contacts', 'Opportunities', 'Service', 'Quotes', 'Administration - Product', 'Survey', 'OES Setup', and 'Invoices'. The main content area displays invoice details for invoice # 9-68010, including status (Open), invoice date (2011-01-07), and total amount (100,00 \$). Below the details is a table of line items:

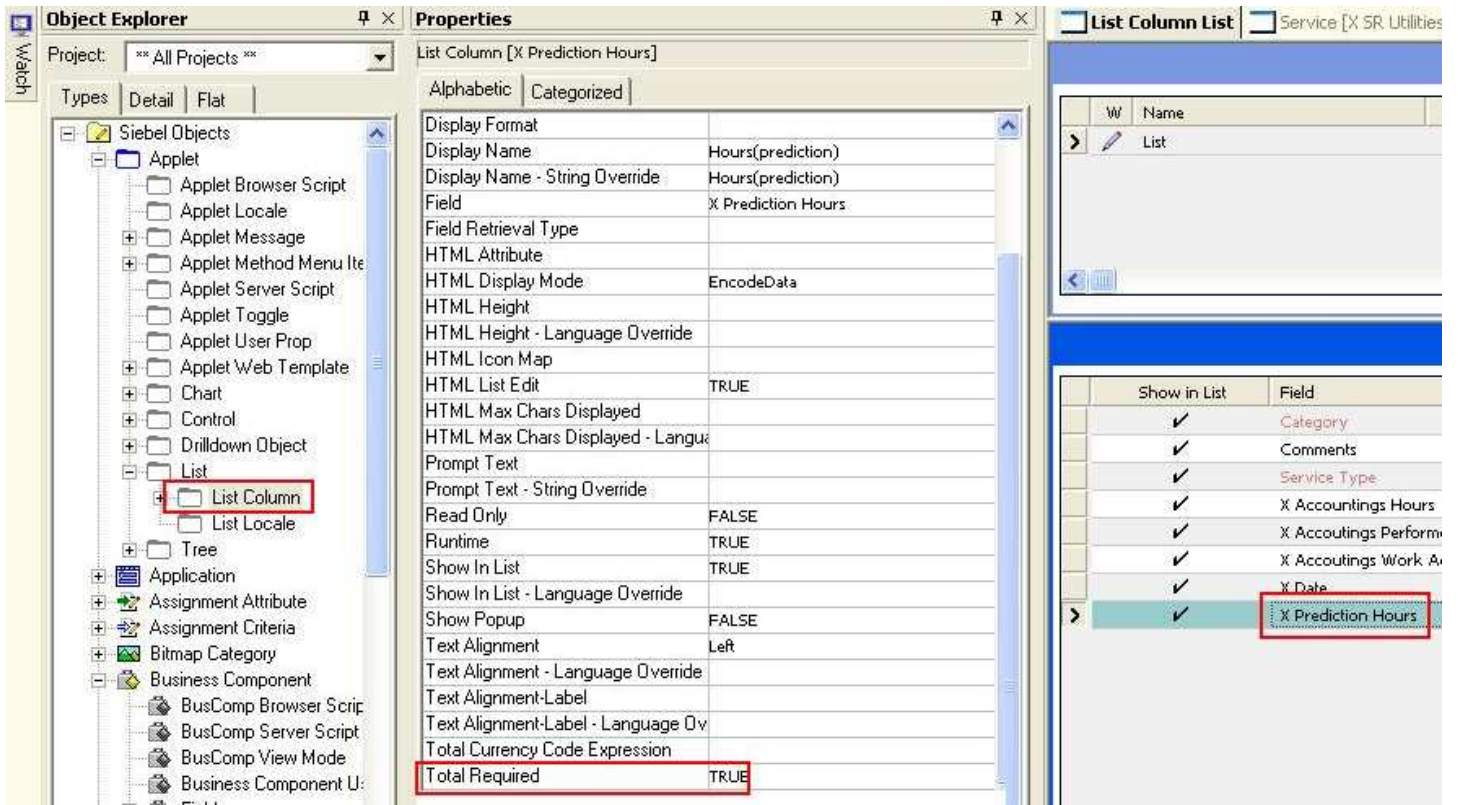
Line	Type	Amount	Reference	Order #	Activity #	Project Role	Last Name	First Name
1		2,00 \$		9-22009				
> 2		12,00 \$						
		14,00 \$						

How to do it

Way 1. Set following properties to TRUE:

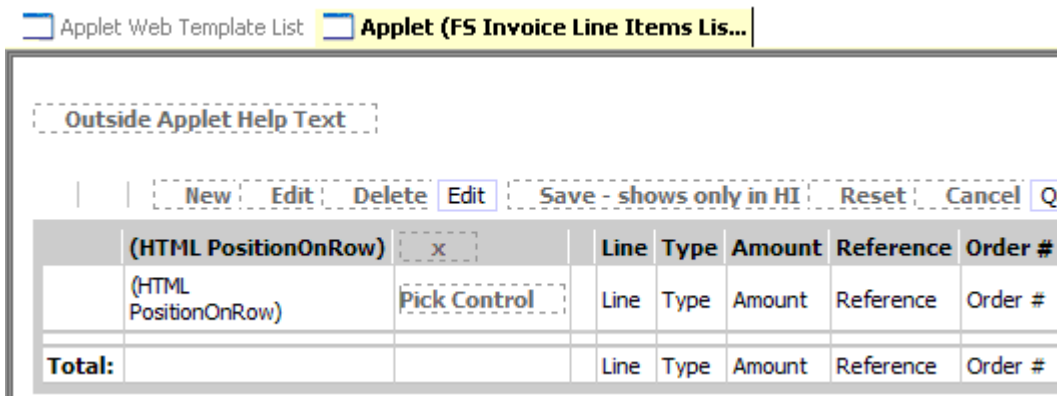
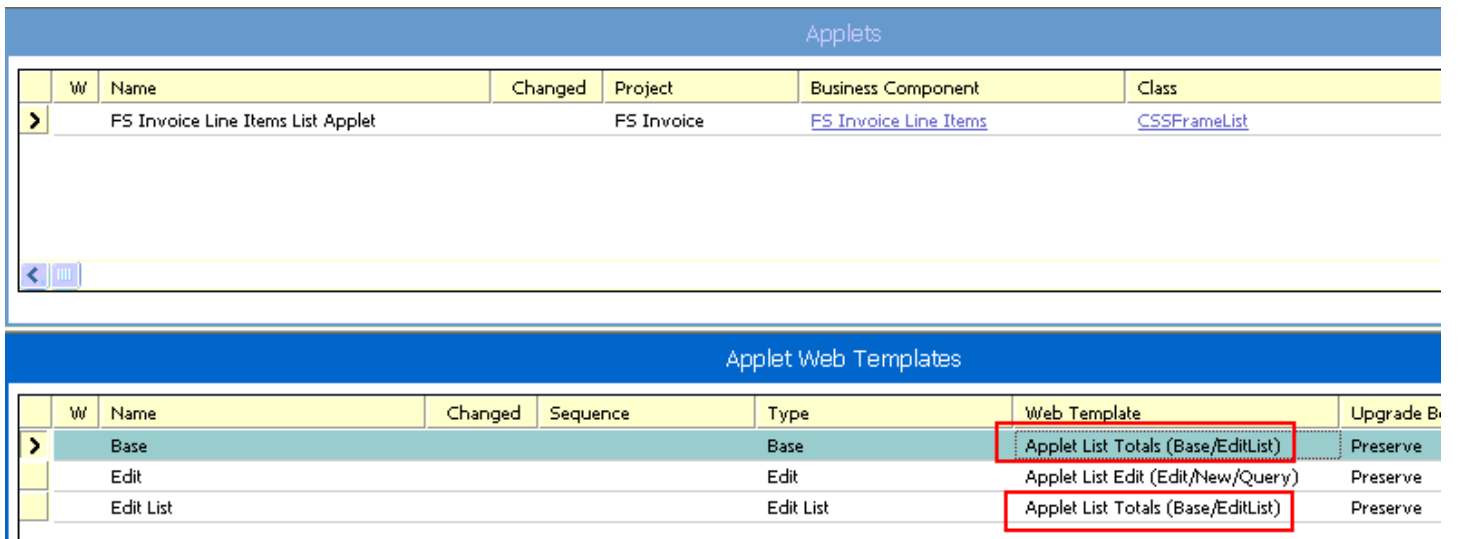
The screenshot shows the Siebel Object Explorer and Properties window. The Object Explorer displays a tree view of Siebel Objects, with 'List' selected and highlighted in red. The Properties window shows the properties for the selected 'List' object, with 'Total Displayed' and 'Total Required' properties highlighted in red and set to 'TRUE'.

Property	Value
Alpha Tab Search Field	
Alpha Tab Search Field - Language Ov	
Comments	
HTML Hierarchy Bitmap	
HTML Multi Row Edit	FALSE
HTML Multi Row Select	FALSE
Inactive	FALSE
Name	List
Parent Name	eAuto SR Service Item List Applet
Total Displayed	TRUE
Total Required	TRUE



Source: <http://siebelunleashed.com/showing-totals-siebel-list-applet/>

Way 2. Just use appropriate web template



Popup applet

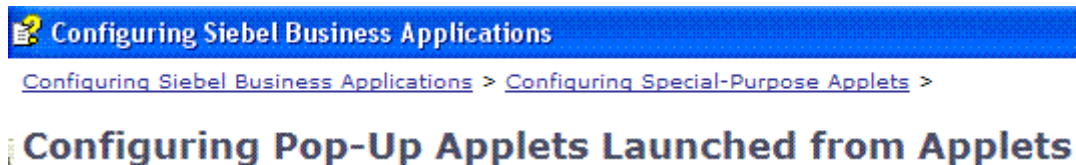
Pożądany efekt:

Przycisk, po naciśnięciu którego pojawia się okno wyskakujące.

Rozwiązanie:

From <http://siebelunleashed.com/how-to-invoke-popup-applet-on-button-click/>

Standard documentation:



1/ Utwórz applet do pokazania w okienku wyskakującym. Applet możesz podpiąć do BC, z którego korzysta applet z przyciskiem popup.

Ustaw klasę appletu: CSSFramePopup

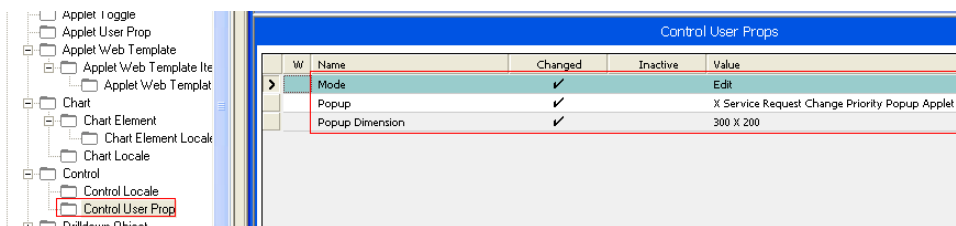
2/ Utwórz miniButton

MethodInvoked = „ShowPopup” (wpisz ręcznie, bo nie ma tej wartości na liście)

Utwórz user properties

Name="Popup" Value = nazwa appletu do pokazania

Name="Mode" Value = tryb appletu do pokazania np. Edit



Oczywiście musisz zezwolić na uruchomienie przycisku, patrz custom button.

3/ Add controls to the pop-up applet:

- Cancel. Set the *Method Invoked* property of the control to *CloseApplet* or *UndoRecord*. This will close the pop-up applet when Cancel is clicked.
- OK. Set the *Method Invoked* property of the control to *CloseApplet* to close the applet after you finish processing other calls within your invoked method. This will close the pop-up applet, and then refresh the parent applet in the main browser window.

4/ How to close popup Applet after action is performed

No easy, tricky.

Popup Applet [Browser Script](#)

```

var thisApplet;
function scanForClose()
{
  if(theApplication().GetProfileAttr("CloseApplet") == "True")
  {
    theApplication().SWEAlert("Action performed "); //browserscript only
    thisApplet.InvokeMethod("CloseApplet");
  }
  else
    setTimeout("scanForClose()", 1000); // Execute recursively every 1000 milliseconds, browserscript only
}
function Applet_Load ()
{
  thisApplet = this;
  theApplication().SetProfileAttr("CloseApplet", "False");
  scanForClose();
}

```

Remember to compile browser scripts by genbscript.exe tool.

BC Server Script

```

function BusComp_PreInvokeMethod (MethodName)
{
  if (MethodName=="MONITOR_INTERNAL" )
  {
    <DO SOMETHING>
    TheApplication().SetProfileAttr("CloseApplet", "True");
    return (CancelOperation);
  }
}

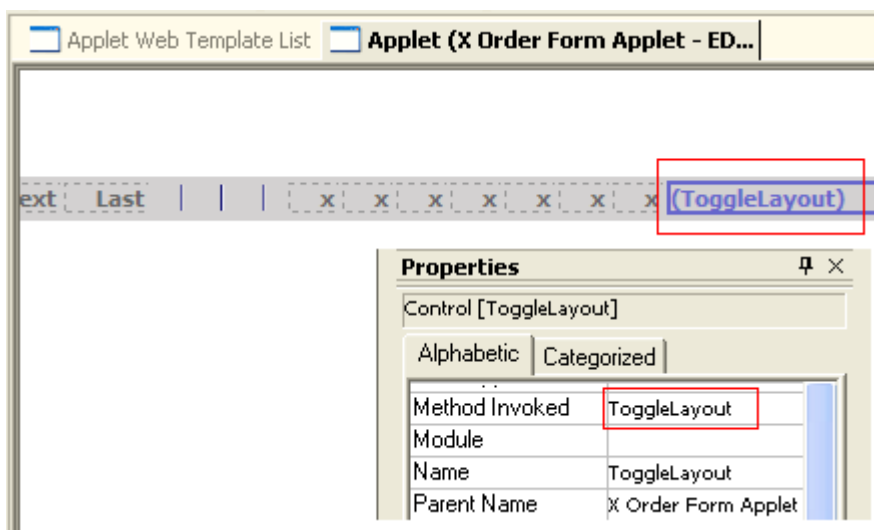
```

Note that in browser scripts theApplication is written from lower case, in server script is written from upper case.

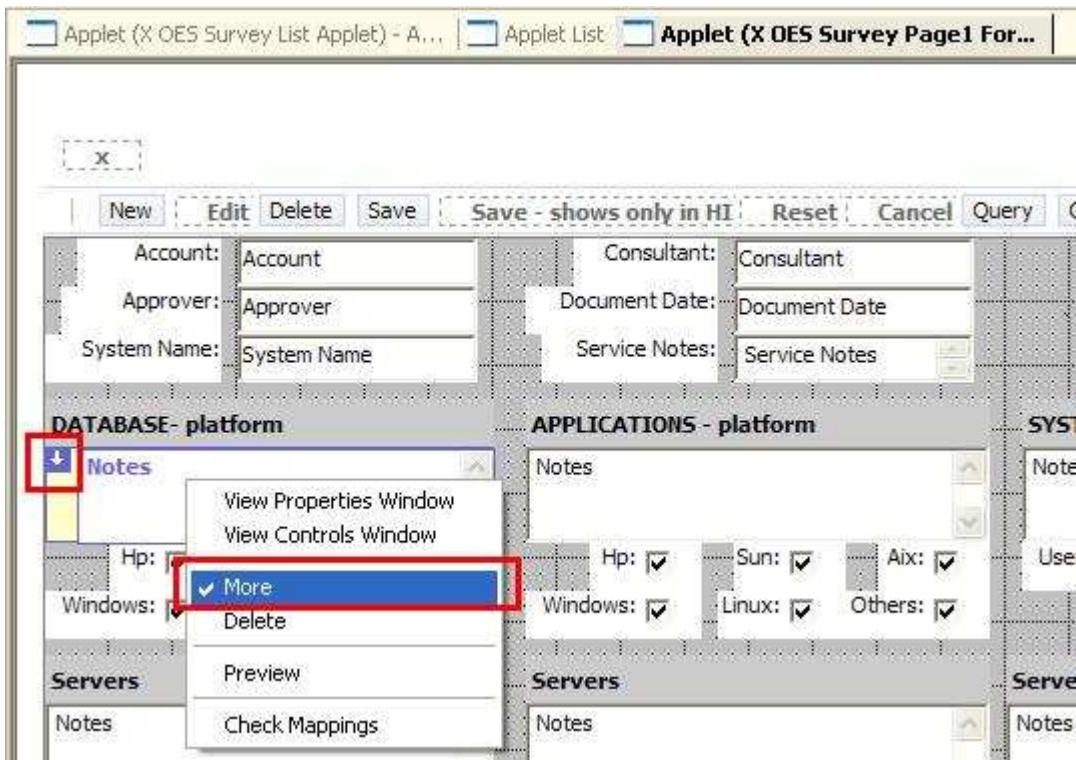
Wady popup applet:

- 1/ można go zamknąć krzyżykiem – nie można wtedy wykonać żadnego kodu
- 2/ czasem jego rozmiar zwiększa się o kilka znaków w pionie po każdym otwarciu
- 3/ bazowy applet nie jest automatycznie odświeżany (jeżeli były zmiany)

Show more/show less button na aplecie



Remember to select checkbox more for element which are to be display in more mode.

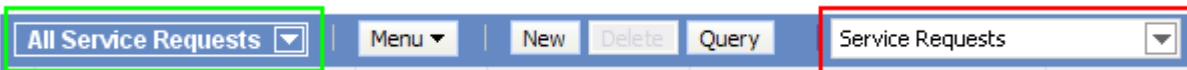


Toggle Applets

ToggleApplet to inny aplet, który pokazuje się, gdy wartość w kolumnie X = Y (dynamiczny toggle applet) lub gdy wybierzemy inny aplet z listy (statyczny toggle applet). Nie jest to pakiet osadzany, ale całkiem nowy aplet.

Ze względu na późniejsze problemy z utrzymaniem spójności pomiędzy apulem i jego kopią staraj się nie używać tej funkcji.

Zwróć uwagę, że lista do wybierania apulem z listy (statyczny toggle applet –czerwona ramka) jest taka sama dla wszystkich userów. Jeżeli chcesz, żeby w zależności do responsibility użytkownicy widzieli różne listy (tj. żeby dostęp do niektórych widoków był zabroniony z niektórymi autoryzacjami) użyj zielonej listy wartości (czyli zbuduj aggregate view, podepnij pod screen i podepnij view pod responsibility)



Świetne trzy artykuły na temat toggle applets znajdziesz tutaj (1/ wprowadzenie 2/statyczne TA 3/ dynamiczne TA):

<http://siebelunleashed.com/dynamic-toggle-applets/>

Poniżej skopiowałem artykuł na temat dynamic toggle applets:

http://siebelunleashed.com/wp-content/uploads/2009/06/Dynamic_Toggle_Customer_Applet.png In this post I will discuss how to create **Dynamic Toggle applet** in Siebel. In **Toggle Applet introduction post** I mentioned that in Dynamic Toggle user would see a different applet base http://siebelunleashed.com/wp-content/uploads/2009/06/Dynamic_Toggle_hotel_Web_layout.png on some field and its value. So let's start the hands on Dynamic Toggle Applet.

Requirement:

We have “Account” (**Parent**) and “Notes” (**Child**), based on **Account Type** we should be able to see different Notes applets. For example if Account Type is “Customer” on Notes Applet we should see a field called “Customer Info” and if Account Type is “Hotel” we should see a field called “Hotel Info”. In all other cases we should see default Notes Applet.

First we need to do some basic configuration before we can start with setting up **Toggle Applet**. Here are the things that we will do.

- Create a Calculated field in Account Note BC with following details:

Name: Account Type

Calculated Flag: True

Calculated Value: ParentFieldValue (“Type”)

W	Name	Calculated	Calculated Value
	Account Type	✓	ParentFieldValue("Type")

This field will fetch Account Type in Account Notes BC

- Create 2 more copies of “**Account Note Applet**” (which is default applet under Account Notes view) and Name them as *Account Note Applet Toggle 1* and *Account Note Applet Toggle 2*.
- Create 2 new fields in Account Note BC and name them as *Customer Info* and *Hotel*

W	Name
	Customer Name
	Hotel Name

Info

- Expose Customer Info field in Account Note Applet Toggle 1

X	Customer Info
	Customer Info

- Expose Hotel Info field in Account Note Applet Toggle 2

X	Hotel Info
	Hotel Info

Now our basic configuration is done. Let’s configure the Dynamic Toggle.

- Query for Account Note Applet (we want to keep this as default applet so we will define Toggle on this applet)
- Select Applet Toggle Object from object explorer
- Create two new records with following details

Record 1 detail:

Applet: Account Note Applet Toggle 1

Auto Toggle Field: Account Type

Auto Toggle Value: Customer

Record 2 detail:

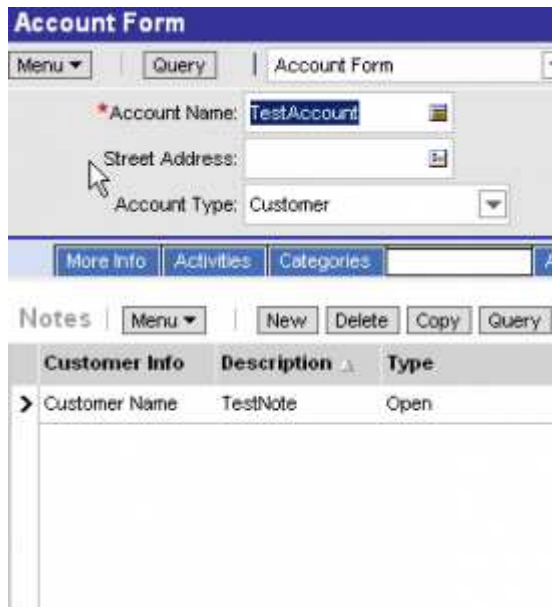
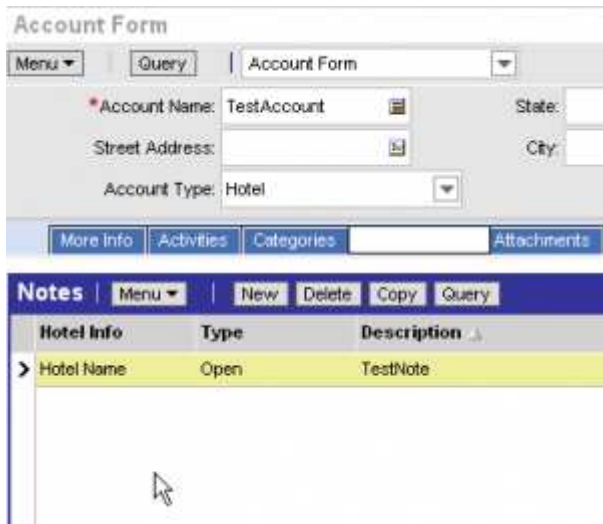
Applet: Account Note Applet Toggle 2

Auto Toggle Field: Account Type

Auto Toggle Value: Hotel

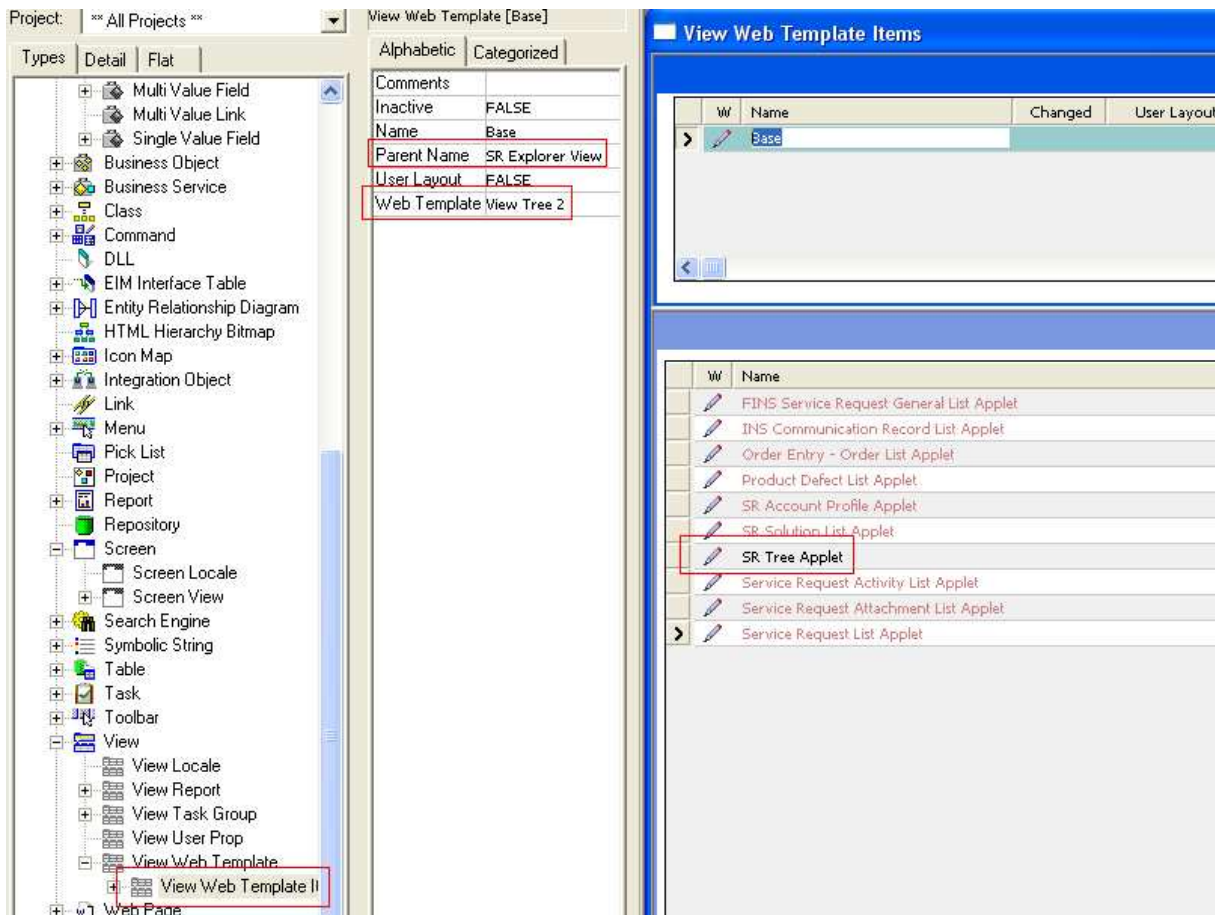
W	Applet	Changed	Auto Toggle Field	Auto Toggle Value
	Account Note Applet Toggle 1	✓	Account Type	Customer
	Account Note Applet Toggle 2	✓	Account Type	Hotel

That’s it, now the only thing left to do is to compile your changes. Here are some screenshots of how it will look



Tree view applet

Utwórz widok, musi mieć odpowiedni Web Template. Podłącz do widoku applet (nie wiem, dlaczego applet nie pojawia się w układzie widoku, widocznie tak jest w przypadku tree).

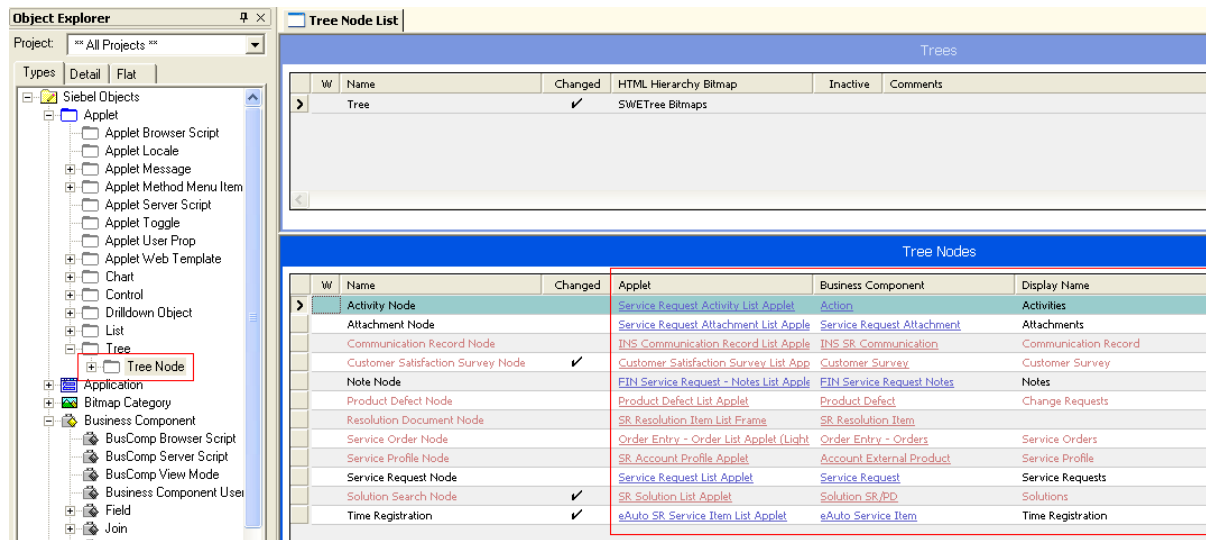


Utwórz applet, musi mieć odpowiedni class i business component.

Applets						
W	Changed	Name	Project	Business Component	Class	Title
>	✓	SR Tree Applet	Service (SSV)	Service Request	CSFrameTree	Service Requests

Zdefiniuj gałęzie drzewa. Każda gałąź ma skojarzony applet, bussines component (nie wiem po co, skoro BC wynika z appletu, ale tak jest), nazwę wyświetlaną. Poziomy można zagnieżdżać wielokrotnie, patrz właściwości Recursive, Recursive link.

BC tree appletu i BC z gałęzi drzewa muszą należeć do bussines obiektu. Dzięki temu system wie jak wyświetlać rekordy. Nie trzeba definiować żadnych innych powiązań.



Browser scripts (javascripts)

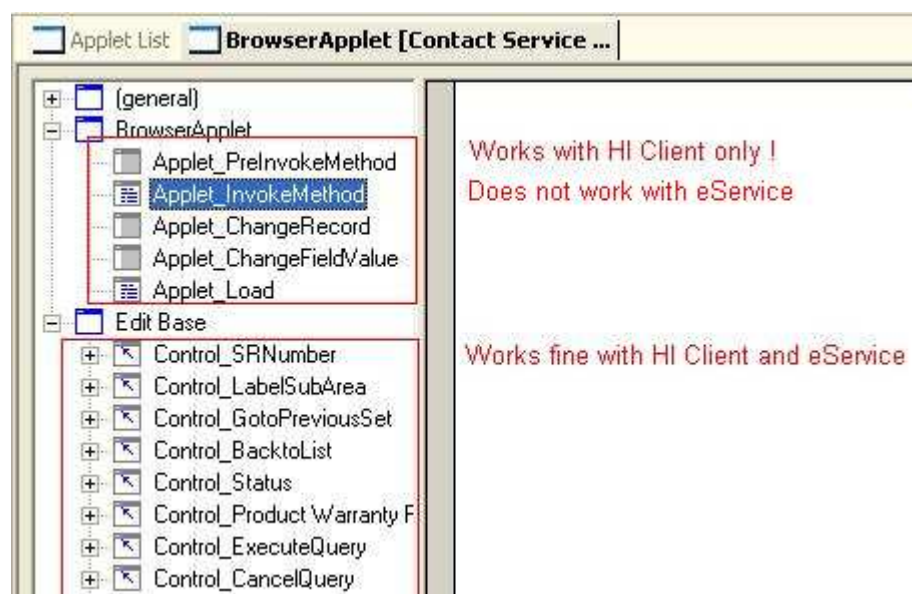
Browser script to kod napisany w java script (nie można używać VB) interpretowany przez przeglądarkę (nie przez serwer).

Browser scripts can be created for : business components, applets (most common use), application.

Ważne: jeżeli we właściwościach browser script zaznaczymy "need high interactivity"=true, można korzystać z obiektów Siebel, takich jak this., TheApplication(). Oczywiście funkcjonalność ta nie jest dostępna gdy High Activity Framework nie jest dostępny.

Pamiętaj, żeby

- skompilować browser script zawsze po zmianie pliku srf (more in file Siebel.knowledge.doc).
- some events of Browser Script are not available in eService



- You have to indicate what Bussines Services will to be used in browser script on application level

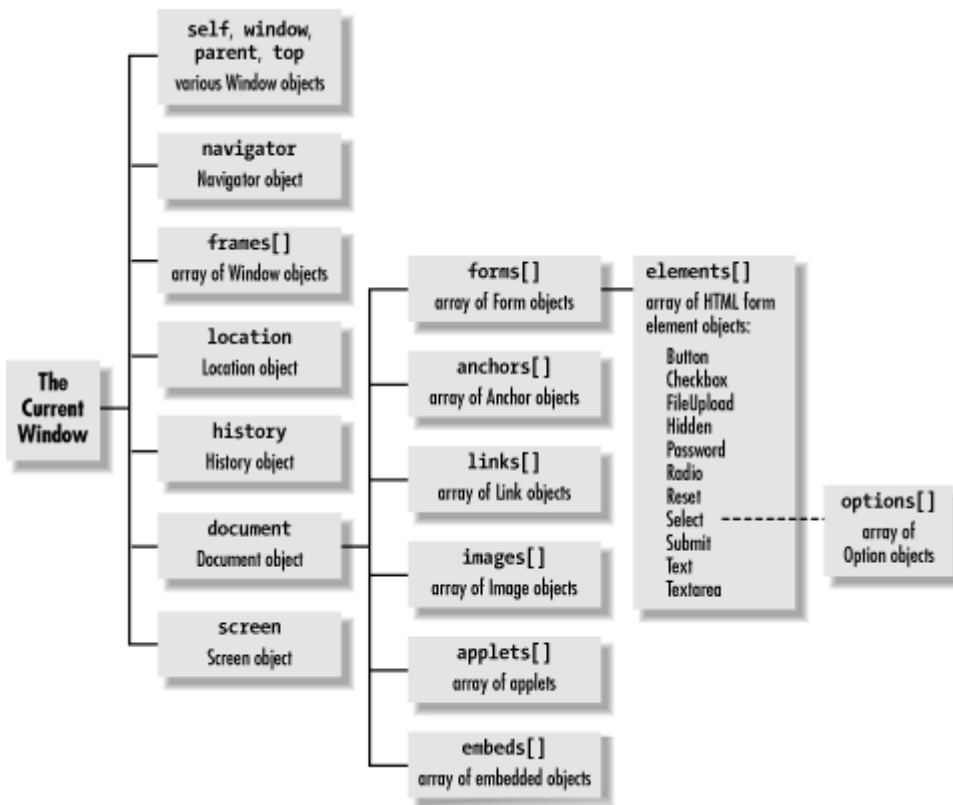
Applications				
W	Name	Changed	Project	Menu
	Siebel Loyalty Partner Portal		LOY Applications	Generic WEB PR
	Siebel Loyalty eMember		LOY Applications	Generic
	Siebel Marketing Enterprise		Siebel Marketing Enter	Generic WEB
	Siebel Mobile Connector		SMC Mobile Connect	Generic WEB
>	Siebel PRM Wireless		SWLS eChannel	Generic

Application User Props			
W	Name	Changed	Value
>	ClientBusinessService0		Message Bar

DOM

window.document.forms[0]

parent.frames[0].document.forms[0].elements[3].options[2].text



The client-side object hierarchy and Level 0 DOM

From: docstore.mik.ua/.../webprog/jscript/ch12_01.htm

Przykład: Ograniczanie długości pola

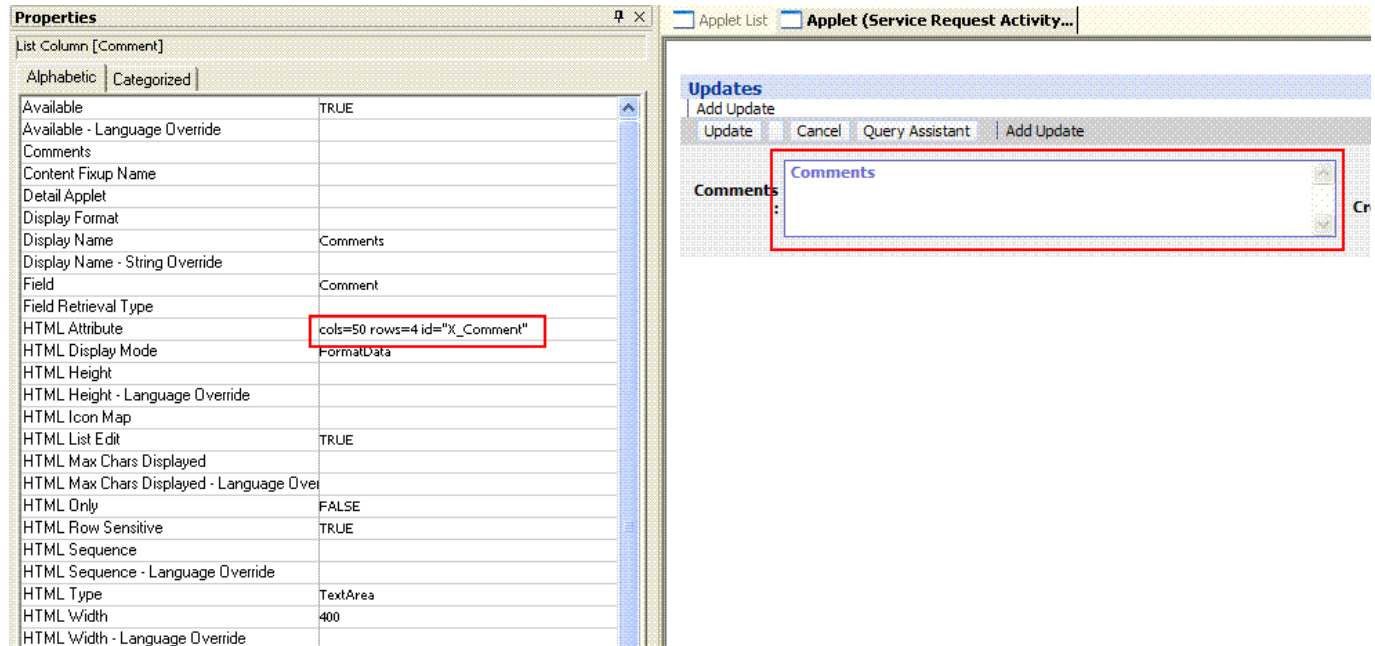
Ograniczenie jest potrzebne w przypadku aplikacji eService, która korzysta ze standardowych obiektów HTML. Problem polega na tym, że po przekroczeniu rozmiaru pola pojawia się komunikat o błędzie a zawartość pola jest czyszczona. Kod poniżej powoduje, że po przekroczeniu rozmiaru pola, zawartość jest obcinana i pojawia się komunikat.

Ograniczenie nie jest potrzebne w przypadku zwykłych aplikacji Siebel.

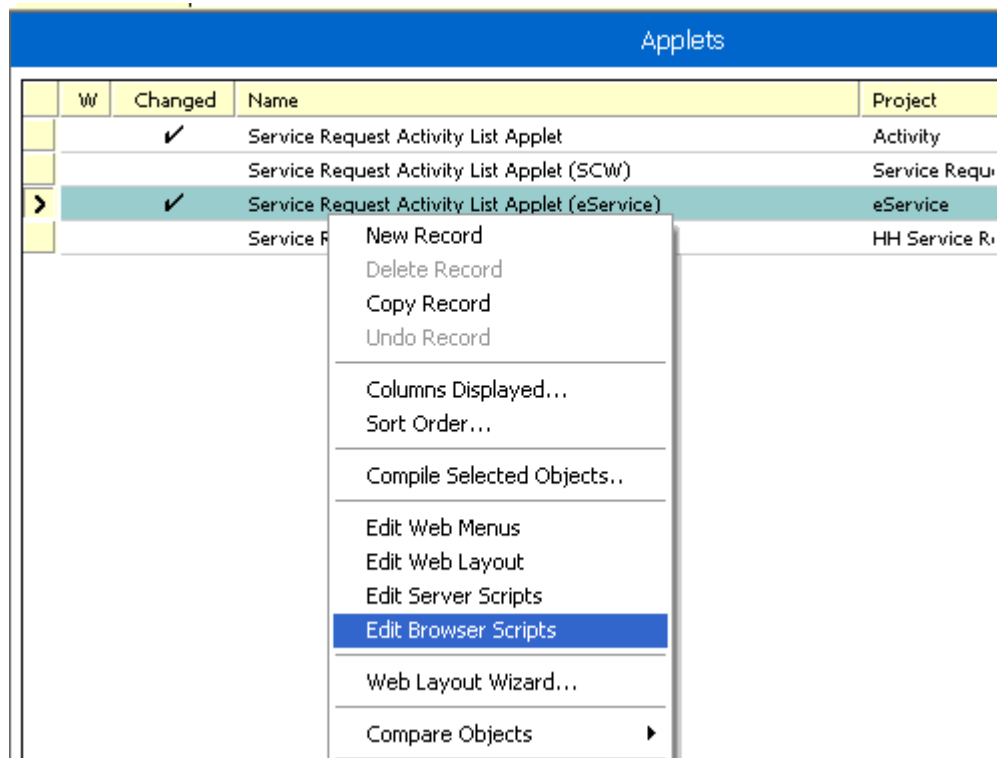
Browser-side validations - applet

When-field-validate

1.



2.




```

function New__0__Column__Comment__onblur (applet, id)
{
var myId = document.getElementById("X_Comment");
var pValue = myId.value;
var pLength = pValue.length;
if (pLength >2000)
{
var pAlarmTxt = "The maximum length is 2000 chars. Content will be truncated";
alert(pAlarmTxt);
myId.value=pValue.substr(0,2000);
return false;
}
else
{
return true;
}
}
    
```

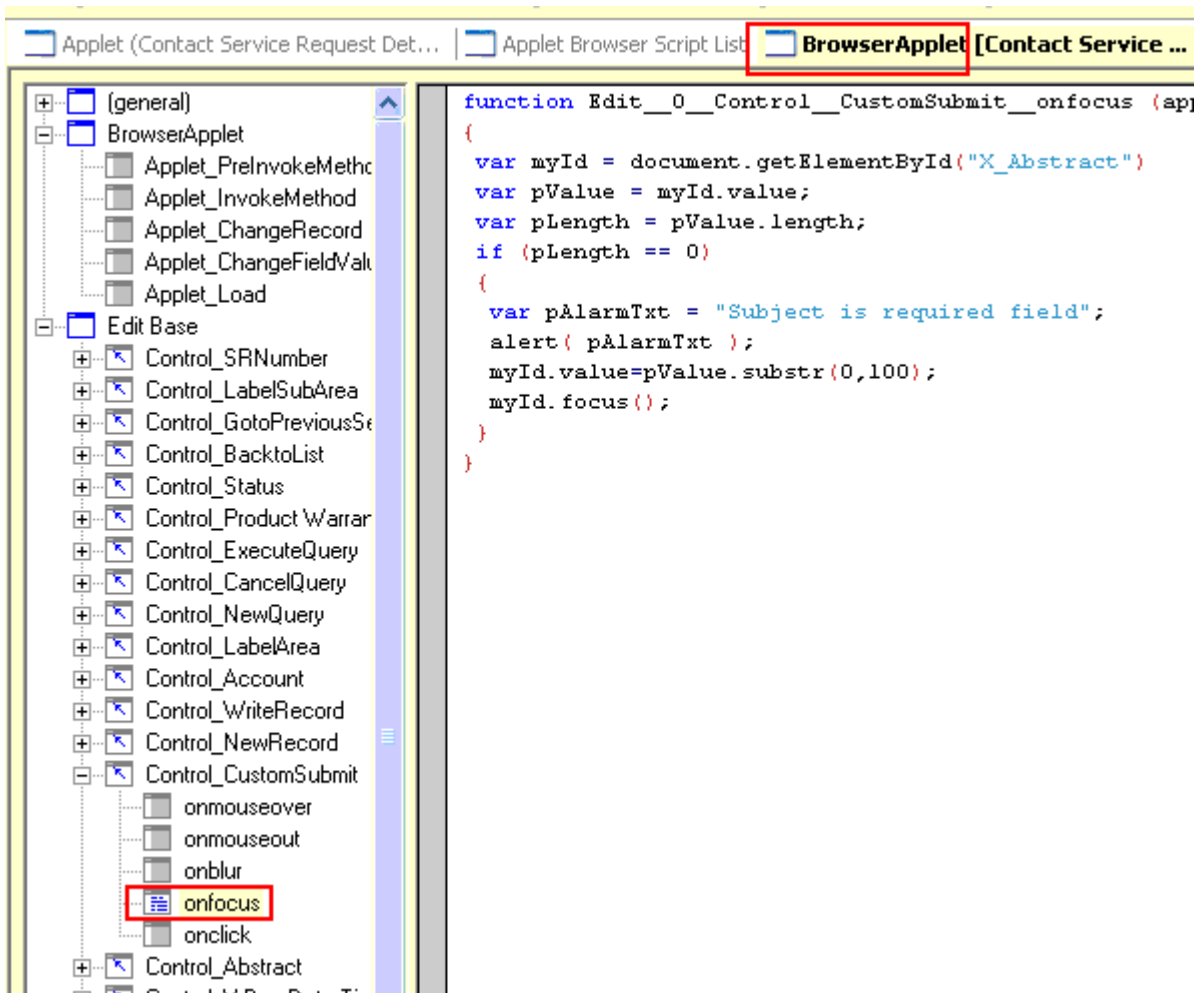
```

function New__0__Column__Comment__onblur (applet, id)
{
var myId = document.getElementById("X_Comment");
var pValue = myId.value;
var pLength = pValue.length;
if (pLength >2000)
{
var pAlarmTxt = "The maximum length is 2000 chars. Content will be truncated";
alert(pAlarmTxt);
myId.value=pValue.substr(0,2000);
return false;
}
else
{
return true;
}
}
    
```

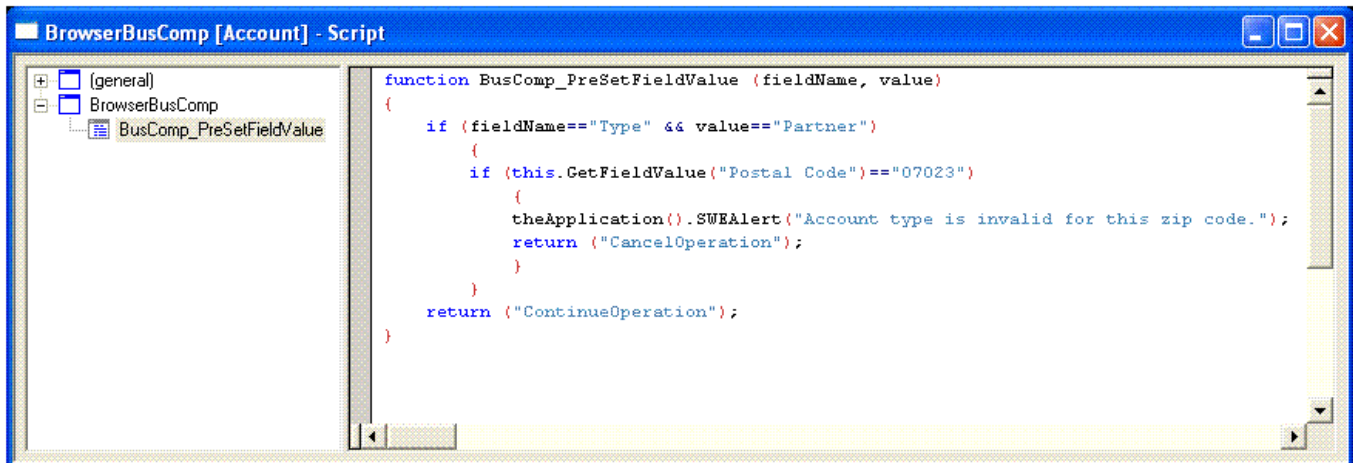
7. Pamiętaj o wygenerowaniu browser scriptów

When-record-validate

Non HI Client version



Browser-side validations - BC



Running BS from browser script

Alert – do not use it ! It works fine only when first record is added, then hangs up server, I don't know why.

or

```
Alert('text')
```

Okno dialogowe Yes/No

[Works with HI Client Only.](#)

Browser script na aplecie:

```
function Applet_PreInvokeMethod (name, inputPropSet)
{
  if (name == "NazwaMetody")
  {
    if (confirm("Do you really want to run ABC?"))
    {
      return ("ContinueOperation");
    }
    else
    {
      return ("CancelOperation");
    }
  }
}

return ("ContinueOperation");
}
```

Flashing control/label

Assume the requirement: **draw user attention to a critical field if it has invalid or questionable data.**

One cool way to do this is by making the field flashing red for example. We'll start with creating our main function (Browser Script):

```
function Flash()
{
  var oMyApplet = theApplication().FindApplet ("Your_Applet_Here ");
  if (oMyApplet) {
    var oMyControl = oMyApplet.FindControl ("Your_Control_Here");
    if (oMyControl.GetProperty ("FontColor") == "#FF0000")
    oMyControl.SetProperty ("FontColor", "#000000");
    else
    oMyControl.SetProperty ("FontColor", "#FF0000");
    setTimeout ("Flash()", 200)
  }
}
```

And to invoke this function for the first time:

```
function Applet_Load ()
{
  Flash();
}
```

This way the field will flash red 2.5 times a second. You may enhance the script by adding data validation or even use gradient transition

Skype integration

Idea is to execute statement

```
"C:\Progra~1\Skype\Phone\skype" /callto:+14152065351
```

Using browser script

```
function Applet_PreInvokeMethod (name, inputPropSet)
var wsh = new ActiveXObject("WScript.Shell");
    var oExec = wsh.Exec(svalue);
    wsh=null;
```

More: <http://onllysiebel.blogspot.com/>

Auto refreshing applet

From <http://siebelunleashed.com/few-tricks-with-settimeout/>

Let's say we have a **requirement to refresh certain list applet every couple seconds** or so.

To reach this goal we might use **setTimeout()** to refresh the applet at equal intervals.

Open Browser Script editor on your applet and create a function:

```
function Refresh()
{
var oMyApplet = theApplication().FindApplet ("Your_Applet_Here");
if (oMyApplet) {
oMyApplet.InvokeMethod ("RefreshBusComp");
setTimeout ("Refresh()", 5000);
}
}
```

This function will **find your applet and refresh it**. It will also schedule itself to be reinvoked in 5 seconds.

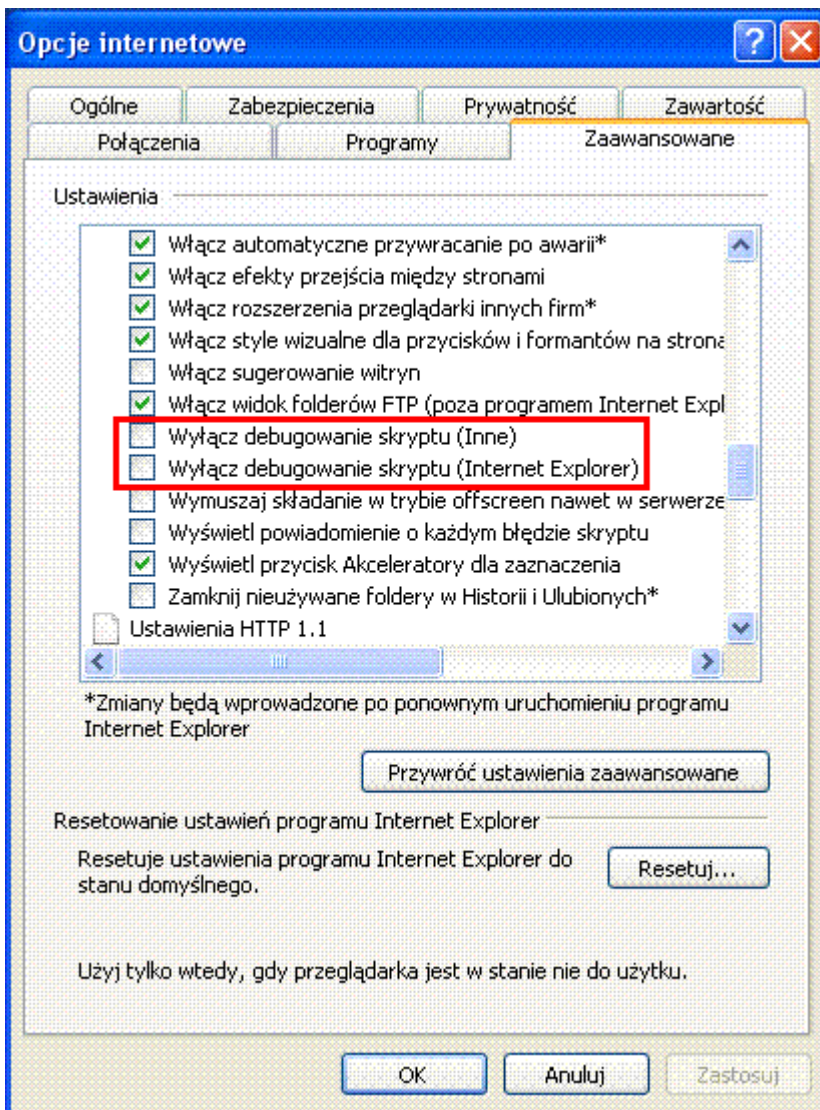
The only thing left is to call this function for the first time. A perfect place to do it – **Applet_Load event**.

```
function Applet_Load ()
{
setTimeout ("Refresh()", 5000)
}
```

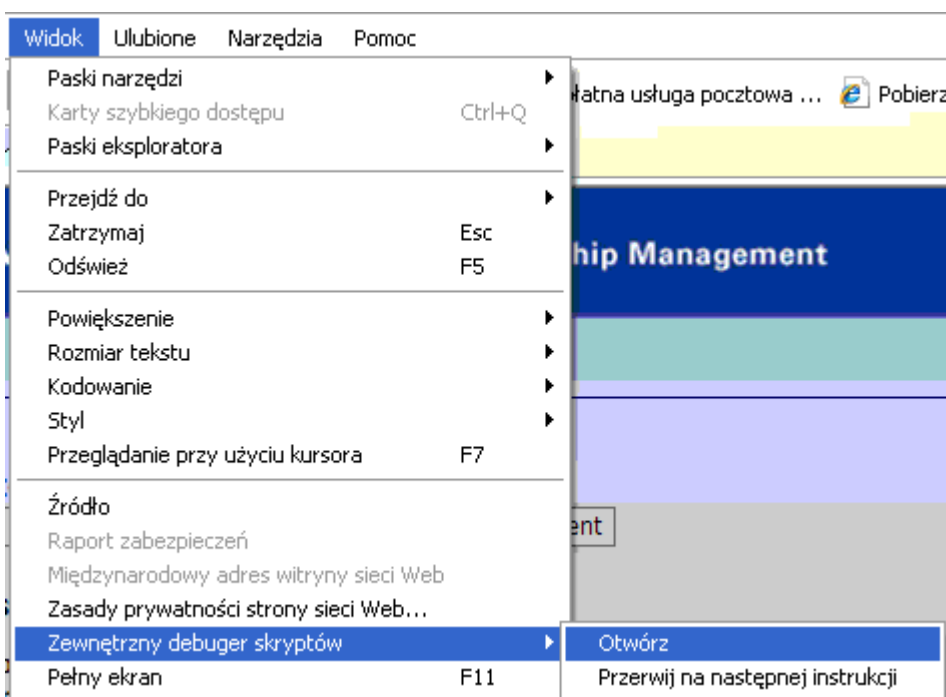
Create View (Or use existing)

Debugging browser scripts

1/ Internet explorer settings



2/ (Optional step)



3/ Run application. This may be any application, not Siebel application only.

4/ Press F12 in order to launch IE "Tools -> Developer Tools". Then find manually code to debug and set breakpoint

Siebel eService - Narzędzia deweloperskie

Plik Znajdź Wyłącz Widok Konspekt Obrazy Pamięć podręczna Narzędzia Sprawdź poprawność Tryb przeglądarki: IE8 Tryb dokumentu: osobiwości

HTML CSS **Skrypt** Program profilujący

Zatrzymaj debugowanie navctrl.js

```

736     return;
737
738     // iterate through the screen tabs and find the activated screen tab.
739     for(x=0; x < tb.length; x++)
740     {
741         tbx = tb[x];
742         if (tbx && this.navCtrlTabs[x] && this.navCtrlTabs[x].name == screenName)
743         {
744             tbx.className = "tier10n";
745             this.actvtb = x;
746             break;
747         }
748     }
749
750     // If the screen is not part of the screen bar, we need to add the
751     // screen caption (floating screen tab) to the screenbar nav control.
752     if (x >= tb.length && screenTab)
753     {
754         if (oldtbx && this.navCtrlTabs[oldactv])
755             oldtbx.className = "tier10ff";
756
757         // need to extend screen tab
758         var caption = screenTab.caption;

```

Konsola Punkty przerwania Zmienne lokale

- Wymagany jest obiekt
- 'undefined' jest pusty lub nie jest obiektem
- 'length' jest pusty lub nie jest obiektem
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- 'undefined' jest pusty lub nie jest obiektem
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- 'undefined' jest pusty lub nie jest obiektem
- 'length' jest pusty lub nie jest obiektem
- 'undefined' jest pusty lub nie jest obiektem

Special applets

Applet with any text

Desired effect

Siebel eService Home:



Welcome , Przemysław Chęć!
You last visited our site on 01/04/2011 17:29:33

- Our records indicate that you recently **updated your address**. Please verify that your [user profile](#) is current.
- Browse our [Knowledge Base](#) or visit the Self Service section below to find answers to all of your Siebel-related questions.
- We notice that you have recently **purchased and registered Siebel Sales**. Would you like to [view important information](#) about this product? Your Site is Oracle PL

1/ Make a copy of applet "Salutation Applet (eService)". This applet has assigned special class CSSFrameSalutation and special bc. Applet has also field Explorer. Do not change it.

2/ Prepare personalization for copy of your applet. Review personalization of "Salutation Applet (eService)" to find out how to do it.

In short, you can write lines with any text, you can use HTML and create links.

How to review personalizations.

Applet web layout:

Applet (Salutation Applet (eService)) - Applet Web Template (Base) - Layout

(Explorer)

Applet: Administration - Personalization

Home Accounts Contacts Opportunities Service Quotes Administration - Product Survey OES Setup **Administration - Personalization**

Applets Rule Sets Test Views

Name	Start Date	End Date	Conditional Expression
Salutation Applet (eService)			GetProfileAttr("ApplicationName") = "Siebel eService" When display applet

Rule Sets

Name	Sequence	Start Date	End Date	Conditional Expression
eService Salutation 1	1			GetProfileAttr("Me.Org.Name") IS NULL OR (GetProfileAttr("Me.Org.Name") <> "Siebel Iberoamerica") and (GetProfileAttr("Me.Org.Name") <> "Siebel France") and (GetProfileAttr("Me.Org.Name") <> "Siebel Netherlands") When use rule set
eService Salutation 2	2			
eService Salutation 3	3			

See next screen

Applet:Salutation Applet (eService) > Rule Set:

Home Accounts Contacts Opportunities Service Quotes Administration - Product Survey OES Setup **Administration - Personalization**

Applets **Rule Sets** Test Views

Name	Active	Start Date	End Date	Type	Description
eService Salutation	✓			Rule set name	Personalized messages for eService users

Rules

Name	Rule Type	Sequence	Active	Start Date	End Date	Description
Date	Invoke Method	7	✓			
DateSuffix	Expressions	8	✓			
Message User Profile	Expressions					Expression to display on screen
Message Profile Changed	Expressions	11	✓			
Message Self-Service	Expressions	12	✓			
Message Branch Locator (IC)	Expressions	13	✓			
Messcane Branch Locator (Sales)	Expressions	14	✓			

More Info

Cancel Query

Name: * Message User Profile Active: * Start Date:

Conditional Expression: (GetProfileAttr("ProfileAttrChangedByUser") IS NULL OR GetPro **When expression is to be displayed** Business Service Name:

Description: Sequence: * 10 Business Service Method:

Include Expression: "
 Our rec **What is to be displayed** Business Service Context:

Exclude Expression: Method Name:

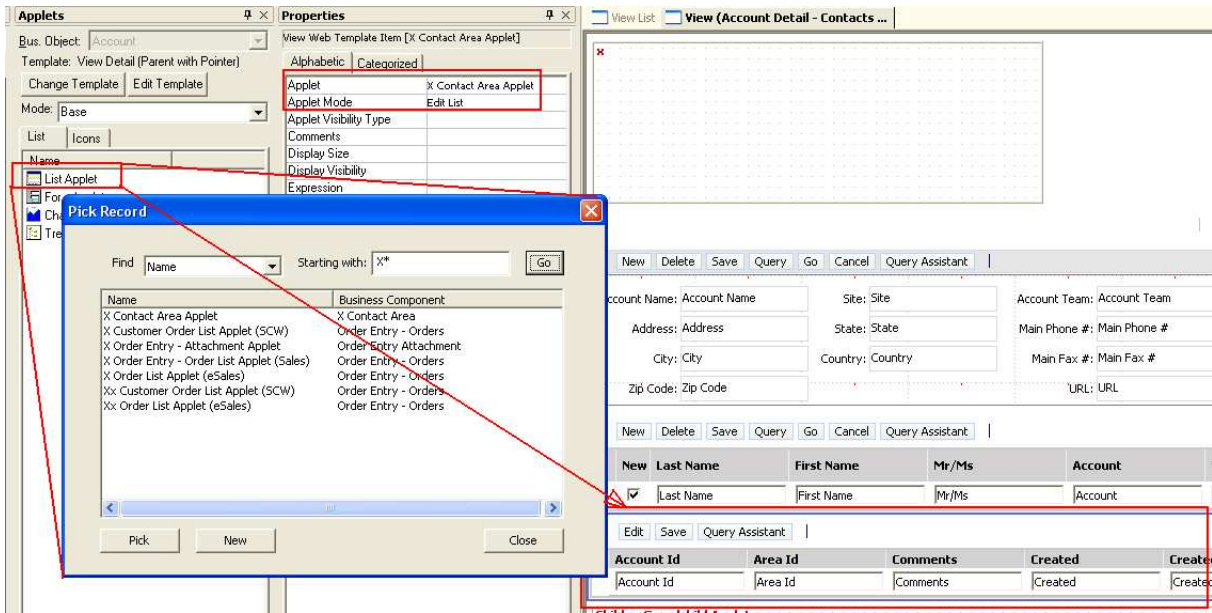
Method Argument:

Important! To make personalization active choose: Menu -> Reload Personalization Rules

```
"<br><IMG SRC='images/bullet_green.gif' align='top'> Our records indicate that you recently <b>updated your address.</b> Please verify that your<A href=Javascript:SWEPersonalizationGotoview('User+Profile+View+(eApps)')><br><b>user profile</b></A> is current."
```

Assign applet to View

Can't see you applet on the list ? Applet and view have to be connected do the same business object (applet >- business component >- business object -< view)



Assign View to screen

Be aware: View assigned to one screen can disappear from another one. In order to workaround this problem copy view and assign its copy to screen.

Assign View do Responsibility

Zob. "Dostęp do widoków i appletów"

HI Framework customizations

Home views

Administration - Application -> View Links

Home Accounts Contacts Opportunities Service Quotes Administration - Product Survey OES Setup Agreements Administration - Application

Authentication Administration | Authentication Template | Category | Customer Expectations Manager | Dealer Locator Administration | Calculation Manager | Data Map Administration | FMW Auction Values Reference

Screen Homepages

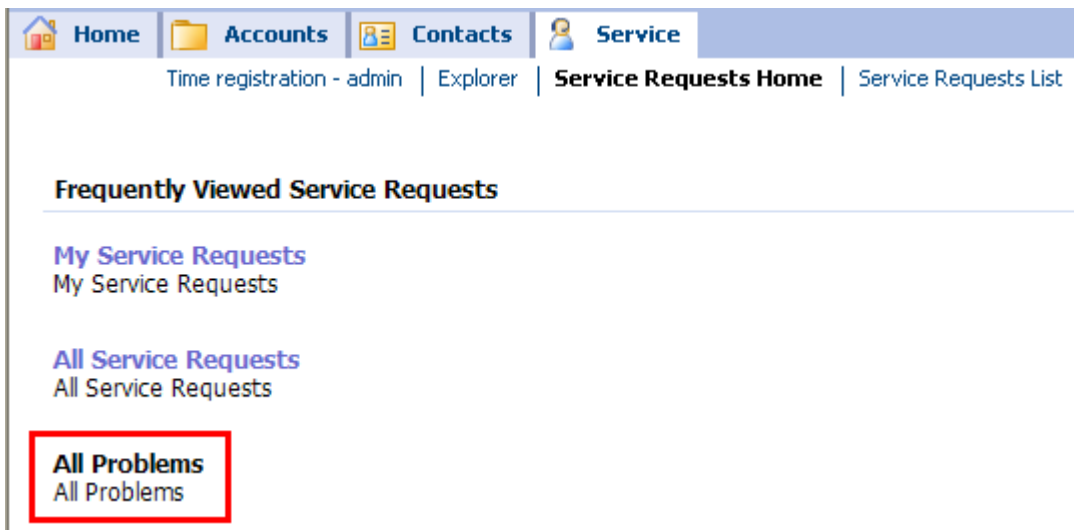
Screen Name

- Accounts
- Activities
- Contacts
- Households
- Opportunities
- Orders
- Partners
- Quotes
- Sales Orders
- Service Requests

View Links

Sequence	Active	Name	Description	View	Default Query
1	✓	My Service Requests	My Service Requests	Personal Service Request List View	
2	✓	All Service Requests	All Service Requests	All Service Request List View	
3	✓	All Problems	All Problems	All Service Request View (HelpDesk UI)	All Problems

=>



Login window setup

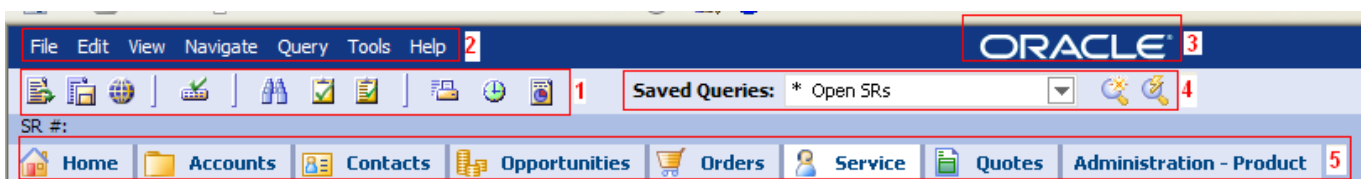
How to Create a Custom Siebel Login Page

<http://it.toolbox.com/blogs/siebel-answers/how-to-create-a-custom-siebel-login-page-32471>

Zmiana dla Call Centre : plik uagent.cfg na Serverze : pole:
ApplicationTitle, aktualna wartość: ITS - Incident Tracking System

Zmiana dla eService: banner na górze aplikacji: plik znajduje sie w :

./siebsrvr/webmaster/images/enu/banner_globe_logo.gif
./sweapp/public/enu/images/banner_globe_logo.gif
./sweapp/public/enu/images/Bak/banner_globe_logo.gif
./sweapp/public/enu/images/Logo_OCES/banner_globe_logo.gif



1 – toolbar: „HIQuery”

<http://siebelunleashed.com/creating-a-siebel-toolbar-option/>

Creating a Siebel Toolbar option

We all are familiar with Siebel Toolbar available in client and for those who are not very familiar here is a screenshot of toolbar I am talking about.



If you see this screenshot you will find that icon beside [Site Map](#) Icon is not a vanilla icon. In this post we are going to add another Icon beside Report Icon which will allow us to see information of the current record or in other words clicking on this should display **About Record Applet**. So, lets start.

1. **Download** the icon from web that you would like to use. I am using:



2. Copy this file in your "**PUBLIC\ENU\IMAGES**" of your **Siebel Tools** and **Siebel Client** folder.
3. Add **Command**, **Bitmap Category** and **Toolbar** objects in your Object Explorer in Siebel Tools
4. Query for "**HTML Command Icons**" in Bitmap Category object and Lock Object
5. Create a New Record in Bitmap Child Object and enter following details and Compile the object

Name: About Record

Alt Text – String Override: About Record

File Name: icon_about.gif (Replace this with the name of the file you copied in IMAGES folder)

MIME Type: img/gif

Bitmaps						
W	Name	Alt Text	Filename	MIME Type	Changed	
>	About Record	About Record	icon_about.gif	img/gif		✓

6. Go to **Command Object**, create a New Record and enter following details

Name: About Record

HTML Bitmap: About Record

HTML Popup Dimensions: 450 X 160

Method: About Record

Method Argument: About Record Applet

Show Pop-up: True

Target: Browser Applet

7. Go to Toolbar Object and query for "**Quick Print**" toolbar and Lock the object.

W	Name
>	Quick Print

8. Create a New Record Toolbar Item Object and enter following details

Name: About Record

Command: About Record Toolbar

Display Name: About Record

HTML Type: Link

Position: 2

Toolbar Items					
W	Name	Command	Display Name	HTML Type	
>	About Record	About Record Toolbar	About Record	Link	
	Quick Print	Print List Excel	Quick Print	Link	

Compile all the objects and open your application if you had completed all the steps you should see your new icon in between Quick Print and Reports icon as shown below



Clicking on this icon will open **About Record Applet** displaying information **about the current record**. There are lot of things that you can do using this technique like invoking a [business service](#) with a particular method or invoke a workflow process. Use your imagination and try new things using this.

2 – application.menu, z reguły jest to „Generic WEB”

The top screenshot shows a table titled "Menus" with the following data:

W	Name	Changed	Project	Inactive	Comments
	FINS Generic Old		Menu		
	FINS Generic WEB		Menu		
	FINSDB Generic WEB		FINS Dashboard Appl		
	Generic		Menu		
	Generic WEB		Menu		New UI Framework for 7.7 Updated Application Menus for HI

The bottom screenshot shows a table titled "Menu Items" with the following data:

W	Name	Changed	Caption	Caption - String Reference	Caption - String Overrid
	Edit		&Edit	SBL_&EDIT-1004225818-00J	
	Edit - Apply Target List		Apply Target List		Apply Target List
	Edit - Change Records		Change Records...	SBL_CHANGE_RECORDS...-100422582	
	Edit - Close Search Center		Close Search Center	SBL_CLOSE_SEARCH_CENTER-10042	

3 - HOW to change the banner of Siebel Application:

The first way is the easier way. Following are the steps of the first way.

- a.) Rename original banner_globe_logo.gif to another name
- b.) Rename your own image file to banner_globe_logo.gif
- c.) Clear IE browser cache.

In the first way, you just replace the existing banner_globe_logo.gif with your own image file.

However, if you insist on using you own image file name, you can try the following steps.

- a.) In dCCFrameBanner.swt file, change the value of the name attribute in the following line from

BANNER_GLOBE_LOGO to NEW_ BANNER_GLOBE_LOGO.

```
<td valign="middle" align="left"><span><swe:image name="NEW_BANNER_GLOBE_LOGO"
category="HTML Control Icons"/></span></td>
```

- b.) Rename your own picture file to new_banner_globe_logo.gif

- c.) Clear IE browser cache. Login but did not see my own picture file displayed in the eMarketing page

- d.) Login to Siebel Tools. In Object Explorer, select Bitmap Category Object and search for Name "HTML Control Icons" If Bitmap Category Object is not shown in the object explorer, then need to expose from Siebel Tools > menu > View > Options > Object Explorer Tab.

e.) Drilldown into Bitmap Object of Bitmap Category Object "HTML Control Icons". Search for Name "BANNER_GLOBE_LOGO"

f.) Make a copy of Bitmap Object "BANNER_GLOBE_LOGO". Change the Name to "NEW_BANNER_GLOBE_LOGO" and Filename to new_banner_globe_logo.gif.

g.) Compile the changes into srf file

h.) Clear IE browser cache and login

In the second way, the name "BANNER_GLOBE_LOGO" that was found in dCCFrameBanner.swt is not really the actual image file name. It is the Bitmap Object name. If you want to use another image file name, you need to login to Siebel Tools and make changes or add a new Bitmap Object to give a new file name as indicated in the steps above.

Note: please note that the above changes to the web template file may be offset by an upgrade and the above steps have to be performed again

4 – toolbar: „HIQuery”

<http://onlaysiael.blogspot.com>

The screenshot shows two tables from Siebel Tools. The top table, titled 'Toolbars', has columns: W, Name, Changed, Project, Class, and Display Name. It contains one row for 'HIQuery' with Project 'Toolbar' and Class 'Query'. The bottom table, titled 'Toolbar Items', has columns: W, Name, Changed, Command, and Display Name. It contains two rows: 'ExecuteQuery' with Command 'Execute Query (SWE)' and Display Name 'Execute Query', and 'NewQuery' with Command 'New Query (SWE)' and Display Name 'New Query'.

Toolbars					
W	Name	Changed	Project	Class	Display Name
>	HIQuery		Toolbar		Query

Toolbar Items				
W	Name	Changed	Command	Display Name
>	ExecuteQuery		Execute Query (SWE)	Execute Query
	NewQuery		New Query (SWE)	New Query

5 – Application properties

How to change color for page tabs?

Smaller Changes in the appearance of the UI (Doc ID 579649.1)

<https://metalink3-dr.oracle.com/od/faces/secure/ml3/sr/ViewRelatedKMDetail.jspx?id=579649.1>

In order to change the page tab colors only for the partner application you need to introduce a new container page for the application object in Siebel Tools. This container page must reference different gif files in the sections for first level navigation (<swe:screenbar>...</swe:screenbar>) and third level navigation (<swe:viewbar...> ... </swe:viewbar>).

There are some pitfalls to be aware before doing this:

a) You need to register the new "Web Pages", "Web Templates" and "Template Files" in Siebel Tools.

b) Also you need to register the new bitmaps in tools and in the CFG file of your application. Please refer to Doc ID 474181.1 for further details .

How to change the Siebel Powered By logo and clicking on the modified logo navigate to another URL?

c)Open it and go to section ".clsJLCMainclsJLCMain "

d)Change the parameter "JBACKGROUND-COLOR-ROW-ACTIVE:" to the hex color code according to your choice of color.

e)Save the file.

f)Clear the IE cache and relogin to the application to observe the changes.

Please note that this is applicable to the clients that use Windows XP only and cannot be used for Windows Server OS.

iHelp

easy to use mechanism to create left side wizards. Screen below show wizard itself.

The screenshot shows the 'Create an iHelp Item' wizard. The left pane lists 11 steps: 1. Go to iHelp Administration, 2. Create New iHelp Record (with sub-steps: Click New button, Enter Name), 3. Drill down to define details, 4. Define Start Step, 5. Define Substeps, 6. Define Highlights, 7. Define Remaining Steps, 8. Connect Steps, 9. Pick Users to see the iHelp Item, 10. Pick Screens where iHelp Item should Appear, 11. Activate iHelp Item. The main area shows the 'Designer' tab with a flowchart: 'Start' (Task) leads to 'Create New iHelp Record', which leads to 'Drill down', 'Define Start Step', 'Define Substeps', 'Define Highlights', and 'Define Remaining Steps'. Below this, a sequence of steps is shown: 'Connect Steps', 'Pick users to see the iHelp Item', 'Pick Screens', and 'Activate iHelp Item'.

Alerts

Effect:

The screenshot shows the 'My Alerts' window. The main area displays a table of activities:

New	Type	Description	Priority	Activity
>	Patch Number		1-ASAP	
	Email - Outbound	xxxx	2-High	
	Web Update	lalala		
	Web Update	la la la		

To the right, a 'My Alerts' panel is open, showing a table with columns 'Abstract' and 'Message Body':

Abstract	Message Body
> Example Alert	Test Message sample link

Setup:

Home Accounts Contacts Opportunities Service Quotes Administration - Product Survey OES Setup Administration - Alert Alerts

Alerts

Menu New Delete Check Spelling Query

Keyword: TEST Priority: Urgent with Alert Partner Alert: Activation: 28-10-2010 10:18:00

Abstract: * Example Alert Employee Alert: Expiration: 28-10-2012 10:18:48

Type: Employee Home Page A All Users: Created: * 28-10-2011 10:18:48

Created By: MSZYMCZA

Message Authoring

Message Body: * Test Message sample link Preview: * Test Message sample link

Product Literature Recipients

Menu Add Delete Query

Name	Part #	Effective Start	Description	Product Line	Vendor
EBS Polpharma					

SmartScripts

See file smartScripts.doc

Broadcast

Scrollbar at the bottom of screen (Broadcast)

Broadcasts can be end-dated, can be assigned to organization or position.

Message: Home Accounts Contacts Opportunities Orders Service Quotes Administration - Product Messages Administration - Communications

Chat Language Mapping | Chat Parameter and Routing Administration View | Communications Drivers and Profiles | All Configurations | All Response Groups | All Templates | Agent General Profile | All Active Agent Status | **Message Broadcasts**

Message Broadcasts Menu New Delete Query 1 of 1

Severity	Abstract	Message	Recipient Position	Recipient Division	All	Activation Date	Expiration Date	Broadcast	Briefing Bulletin	Created	Created By Name
Normal	Test	Zarejestrowano juz			<input checked="" type="checkbox"/>	10-02-2010 13:10		<input checked="" type="checkbox"/>		10-02-2010 13:10:2	MSKOW/ROK

Test 1 of 1

Menu New Delete Query

Message Details

Severity: Normal Activation: 10-02-2010 13:10

Abstract: Test Expiration:

Message

Zarejestrowano juz duzo sRow

Send To

Zarejestrowano juz duzo sRow 1 of 1

Broadcast. Color depends on priority

Gotowe Zaufane witryny 100%

Adding broadcast by code:

```
'Get "Broadcast Message" BusComp
Set BusObj = SiebelApplication.GetBusObject("Broadcast
Message", errCode)
Set BusComp = BusObj.GetBusComp("Broadcast Message", errCode)

'Find "Calls Waiting" message
BusComp.SetSearchSpec "Abstract", "Calls In Queue", errCode
BusComp.ExecuteQuery 0, errCode
If BusComp.FirstRecord(errCode) <> True Then

'We need to create a new message
BusComp.NewRecord 0, errCode
BusComp.SetFieldValue "Abstract", "Calls In Queue", errCode
End If

'Prepare message using middleware API info.
Set Msg = "[N]Calls Waiting: [U]10"

'Update the record
BusComp.SetFieldValue "Body", Msg, errCode
BusComp.SetFieldValue "All", "Y", errCode

'Write the record
BusComp.WriteRecord errCode
```

Server scripts

Database value

Nie ma odpowiednika formsowego `get_item_property('DATABASE_VALUE')`.

Pobierz wartość pola na zdarzeniu `BusComp_ChangeRecord`:

```
function BusComp_ChangeRecord ()
{
  TheApplication().SetProfileAttr("database_value:Owner", this.GetFieldValue("Owner") );
}
```

Uwagi !

1. Do przekazywania wartości między procedurami obsługi zdarzeń nie używaj zmiennych deklarowanych w sekcji `declarations`, bo źle są przekazywane wartości zmiennych pomiędzy zdarzeniami `changeRecord` i `(pre)Write`. Używaj `GetProfileAttr/SetProfileAttr` jak w przykładzie powyżej
2. W trakcie zdarzeń `WriteRecord`, `PrewriteRecord` też może być uruchamiane zdarzenie `ChangeRecord`. Aby ustrzec się przed nieoczekiwanymi wynikami użyj kodu poniżej.
3. Typically event `WriteRecord` is launched subsequently after `PreWriteRecord`. BUT when another used changed record, then `PreWriteRecord` is launched and sucesfully performed, but `WriteRecord` not. Next, values on applet are reverted from database. As a result "Database:" variable stores incorrect value. Workaround are lines mared with **red** color.

```
function strNVL (str , valWhenNull)
{
  if (str == "")
  {
    return (valWhenNull);
  }
  else
  { return (str); }
}

function saveDatabaseValues()
{
  TheApplication().SetProfileAttr("Database:Owner", this.GetFieldValue("Owner") );
}

---

function BusComp_ChangeRecord ()
{
  if (strNVL ( TheApplication().GetProfileAttr("changeRecordEventEnabled"), "Y" ) == "Y")
  { saveDatabaseValues(); }
}

function BusComp_PreWriteRecord ()
{
  if ( TheApplication().GetProfileAttr("XLastBCOperation") == "BusComp_PreWriteRecord-end")
  {
    theApplication().RaiseApplicationError("Another user changed record. Requery record");
    //todo: reset XLastBCOperation on event requery
  };

  TheApplication().SetProfileAttr("changeRecordEventEnabled", "N");
  ...
  TheApplication().SetProfileAttr("changeRecordEventEnabled", "Y");
  TheApplication().SetProfileAttr("XLastBCOperation", "BusComp_PreWriteRecord-end");
}
```

```

function BusComp_WriteRecord ()
{
    TheApplication().SetProfileAttr("XLastBCOperation", "BusComp_WriteRecord-start");
    TheApplication().SetProfileAttr("changeRecordEventEnabled", "N");
    ...
    TheApplication().SetProfileAttr("changeRecordEventEnabled", "Y");
    saveDatabaseValues();
}

function BusComp_NewRecord ()
{
    saveDatabaseValues();
}

```

Ważne: jeżeli gdzieś w ciele zdarzeń PreWriteRecord lub BusComp_WriteRecord używasz poleceń przerywających wykonywanie kodu np.

```

    TheApplication().RaiseErrorText("Consultant cannot close SR. Set 'Waiting for Hotline' status ");
lub
    return (CancelOperation);
poprzedź je poleceniem
    TheApplication().SetProfileAttr("changeRecordEventEnabled", "Y");

```

Problems ?

Error „An error has occurred creating business component 'X Contact Area' used by business object 'Account'. Please ask your systems administrator to check your application configuration.(SBL-DAT-00222)” ? → compile All created/modified objects:

```

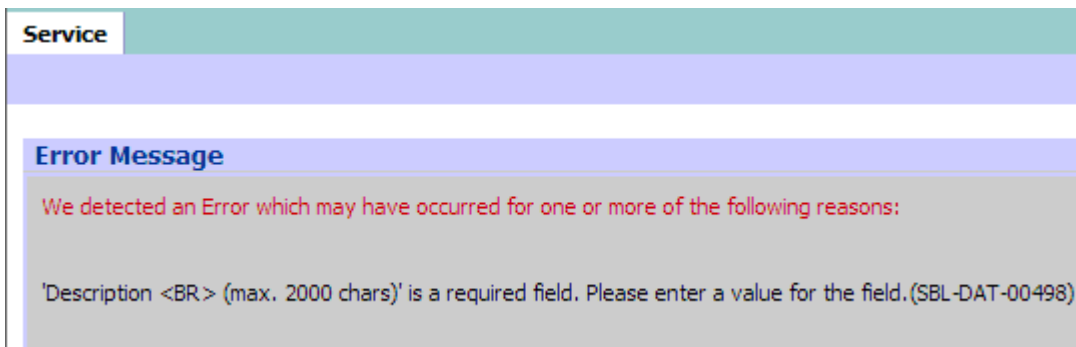
Applet [X Contact Area Applet] - Explorer
Business Component [X Contact Area] - Explorer
Business Object [Account] - Explorer
Link [Account Contact/X Contact Area] - Explorer
Table [CX_PER_AREA] - Explorer
View [Account Detail - Contacts View] - Explorer

```

open issues

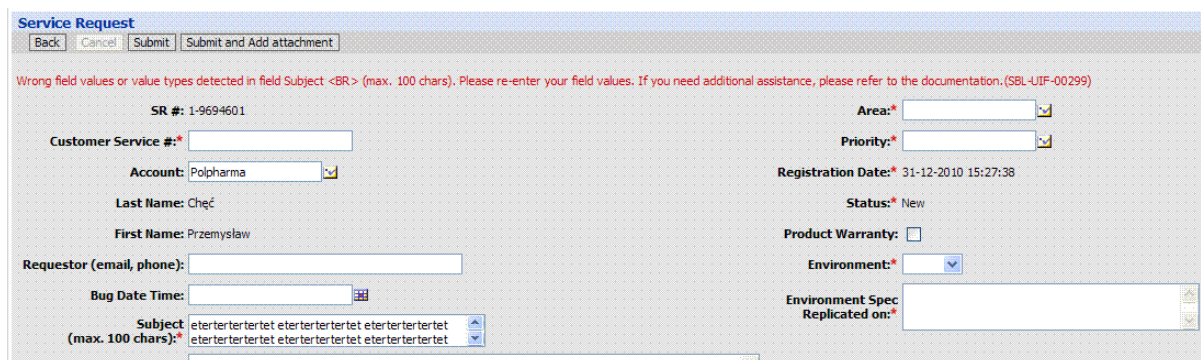
Applet Metod Menu NIE DZIAŁA

Standardowe błędy błędy aplikacji eService (to interfejs html, nie HI Client) pojawiają się na oddzielnym ekranie. Np. jeżeli nie wypełnię pola, to pojawi się błąd:

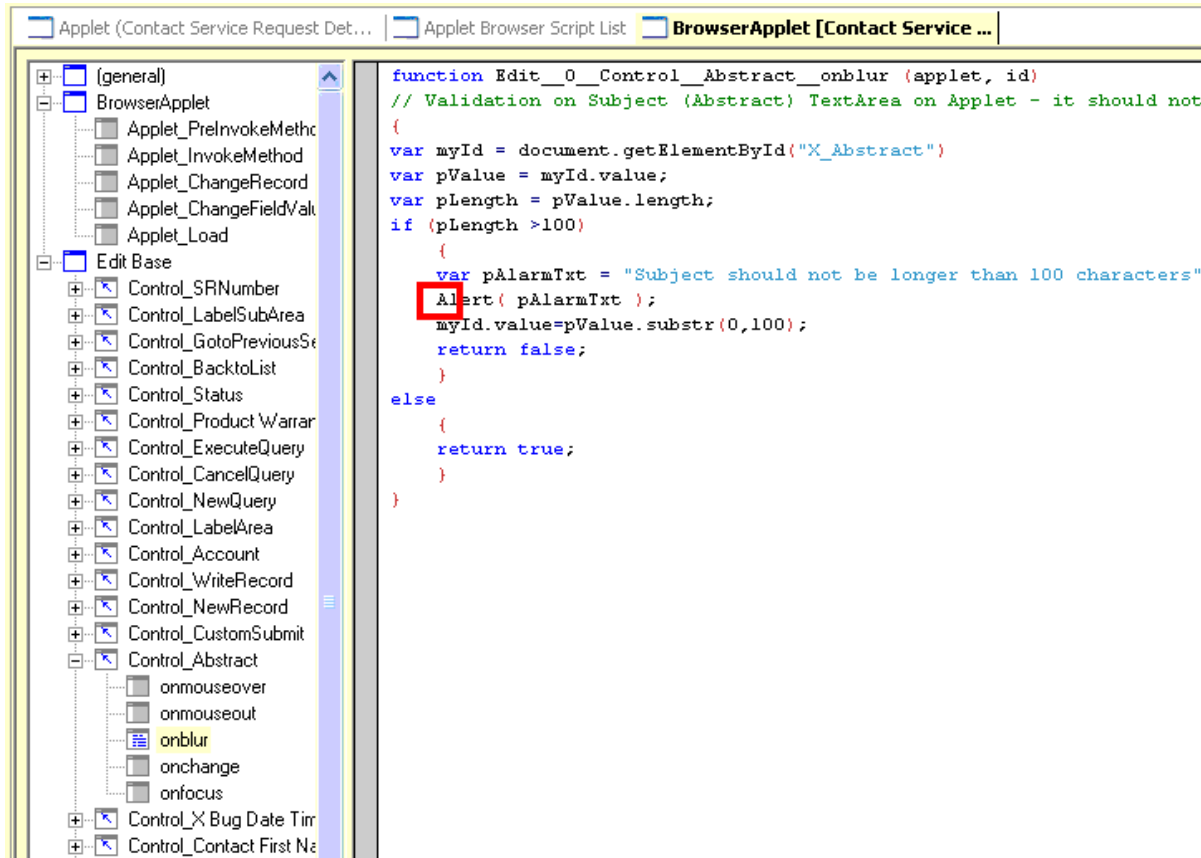


Co zrobić, żeby standardowe komunikaty pojawiały się na tym samym ekranie ?

Chyba jest na to jakaś szansa, bo zauważyłem, że jeżeli w aplecie javascript (browser script) wystąpi błąd, to pojawia się komunikat na tej samej stronie. Np. jeżeli popełnimy błąd składniowy na subject.onBlur – Alert zamiast alert, to pojawi się taki komunikat:



Błąd o którym piszę to:



Appendix

Record read only (readonly, read-only, no update)

CanInvokeMethod: ... = FALSE

Applet User Properties				
	W	Name	Changed	Value
>		CanInvokeMethod: NewRecord	✓	FALSE
		CanInvokeMethod: CopyRecord	✓	FALSE
		CanInvokeMethod: EditRecord	✓	FALSE
		CanInvokeMethod: DeleteRecord	✓	FALSE
		CanInvokeMethod: WriteRecord	✓	FALSE

alternatively

```
function WebApplet_PreCanInvokeMethod (MethodName, &CanInvoke)
{
    if (MethodName == "EditRecord" ||
        MethodName == "DeleteRecord" ||
        MethodName == "CopyRecord" ||
        MethodName == "WriteRecord" ||
        //MethodName == "NewRecord" ||
    )
    {
        var svc = TheApplication().GetService("X SR Utilities");
        var Input = TheApplication().NewPropertySet();
        var Output = TheApplication().NewPropertySet();
        svc.InvokeMethod("IsHotlineEmployee", Input, Output);
        CanInvoke = Output.GetProperty("Success");
        return (CancelOperation);
    };
    return (ContinueOperation);
}
```

You can lock INSERT/UPDATE/DELETE on BC as well, but be aware in that case you are not able to change data from server script.

read only / no update field

Sposób 1 .read only

bc.field.read only = true

lub

applet.control.read only = true

Sposób 2 - podczas insert dostępne, podczas update niedostępne

(nie można uzależnić od użytkownika)

No Change Field

The screenshot shows two panels of the 'Business Component User Properties' dialog. The top panel, titled 'Business Components', contains a table with the following data:

	W	Name	Changed	Project	Cache Data	Class
>		X Pool Prior	✓	X Extensions		CSSBCBase

The bottom panel, titled 'Business Component User Properties', contains a table with the following data:

	W	Name	Changed	Value
>		No Change Field	✓	Priority

Sposób 3 - w zależności od innego pola

The screenshot shows two panels of the 'Business Component User Properties' dialog. The top panel, titled 'Business Components', contains a table with the following data:

	W	Name	Changed	Project	Cache Data	Class
>		Pharma ME Plan		LS Pharma M		CSSBCPharmaMEPlan

The bottom panel, titled 'Business Component User Properties', contains a table with the following data:

	W	Name	Changed	Value
		CalculateMode		(Auto)
>		Field Read Only Field: Amount		Is Not Owner

	Required	W	Name	Changed	Calculated	Join	Calculated Value
>			Is Not Owner		✓		IIF ([Created By] <=> LoginId(), 'Y','N')

W name w miejscu [Field Name] wpisz nazwę pola, które ma być readonly.

W value wpisz nazwę pola (BC.Field), która zwróci wartość N lub Y.

Ważne:

- Nie otaczaj nazw pól nawiasami kwadratowymi
- Jeżeli zmiana ma być widoczna natychmiast a nie dopiero przy zapisaniu danych ustaw BC.Field. Immediate Post Changes na wartość TRUE.
- Przekompiluj BC żeby zobaczyć zmiany.
- W value nie wpisuj stałych ani wyrażeń - nie działa. Jeżeli chcesz użyć wyrażenia - utwórz pole typu calculated i użyj go

Sposób 4 (tylko BC Service Request)

Service Request bc jest oparty na klasie "CSSBCServiceRequest", przeczytaj w toolsowym helpie. Obiekt tej klasy ma property "Always Enable Field n".

Sposób 5 – base mode

Jeżeli chcesz, żeby applet na widoku był readonly to:

1/ podepnij go do widoku w trybie base (a nie EditList)

Sposób 6 - link

Jeżeli chcesz, żeby widok było readonly, to zaznacz flagę readonly na powiązaniu responsibility-view

Sposób 7 – No insert

Na BC, applet są właściwości „No insert, update, delete”

Sposób 8- Toogle

Toogle applets. One applet has readonly fields second applet - not.

Sposób 9 – advanced example

Scenario: user can insert record, update from null to not null, other updates and deletes are not allowed. Hotline employee can delete/update/insert records.

```
Applet level
function WebApplet_PreCanInvokeMethod (MethodName, &CanInvoke)
{
  if (MethodName == "EditRecord" ||
      MethodName == "DeleteRecord" ||
      MethodName == "CopyRecord" ||
      MethodName == "WriteRecord" ||
      MethodName == "ChangeRecords" ||
      MethodName == "PostChanges" ||
      MethodName == "NewRecord")
  {
    var svc = TheApplication().GetService("X SR Utilities");
    var Input = TheApplication().NewPropertySet();
    var Output = TheApplication().NewPropertySet();
  }
}
```



```

svc.InvokeMethod("IsHotlineEmployee", Input, Output);
CanInvoke = Output.GetProperty("Success");
return (CancelOperation);
};
}
return (ContinueOperation);
}
BC component level
function strNVL (str , valWhenNull)
{
if (str == "")
{
return (valWhenNull);
}
else
{
return (str); }
}
function saveDatabaseValues()
{
TheApplication().SetProfileAttr("Database:TR.X Date", this.GetFieldValue("X Date"));
TheApplication().SetProfileAttr("Database:TR.X Accountings Work Activites", this.GetFieldValue("X Accountings Work Activites"));
TheApplication().SetProfileAttr("Database:TR.X Accountings Performer", this.GetFieldValue("X Accountings Performer"));
TheApplication().SetProfileAttr("Database:TR.X Prediction Hours", this.GetFieldValue("X Prediction Hours"));
TheApplication().SetProfileAttr("Database:TR.X Accountings Hours", this.GetFieldValue("X Accountings Hours"));
TheApplication().SetProfileAttr("Database:TR.Comments", this.GetFieldValue("Comments"));
}
}
function readOnlyField (fieldName, fieldProfAttr, fieldCaption)
{
var IsHotlineEmployee = "<EMPTYFIELD>";
var svc = TheApplication().GetService("X SR Utilities");
var Input = TheApplication().NewPropertySet();
var Output = TheApplication().NewPropertySet();
svc.InvokeMethod("IsHotlineEmployee", Input, Output);
IsHotlineEmployee = Output.GetProperty("Success");
if (IsHotlineEmployee == "TRUE")
{
return;
}
if (strNVL( TheApplication().GetProfileAttr(fieldProfAttr), "<EMPTYFIELD>") != "<EMPTYFIELD>")
{
if (TheApplication().GetProfileAttr(fieldProfAttr) != this.GetFieldValue(fieldName))
{
TheApplication().SetProfileAttr("changeRecordEventEnabled", "Y");
this.SetFieldValue(fieldName, TheApplication().GetProfileAttr(fieldProfAttr));
TheApplication().RaiseErrorText("Only Hotline employee can update field " + fieldCaption + "");
};
};
}
function BusComp_SetFieldValue (FieldName)
{
TheApplication().SetProfileAttr("changeRecordEventEnabled", "N");
readOnlyField("X Date", "Database:TR.X Date", "Date");
readOnlyField("X Accountings Work Activites", "Database:TR.X Accountings Work Activites", "Work activities");
readOnlyField("X Accountings Performer", "Database:TR.X Accountings Performer", "Performer");
readOnlyField("X Prediction Hours", "Database:TR.X Prediction Hours", "Hours(prediction)");
readOnlyField("X Accountings Hours", "Database:TR.X Accountings Hours", "Hours");
readOnlyField("Comments", "Database:TR.Comments", "Comments");
TheApplication().SetProfileAttr("changeRecordEventEnabled", "Y");
}
function BusComp_PreWriteRecord ()
{
TheApplication().SetProfileAttr("changeRecordEventEnabled", "N");
readOnlyField("X Date", "Database:TR.X Date", "Date");
readOnlyField("X Accountings Work Activites", "Database:TR.X Accountings Work Activites", "Work activities");
readOnlyField("X Accountings Performer", "Database:TR.X Accountings Performer", "Performer");
readOnlyField("X Prediction Hours", "Database:TR.X Prediction Hours", "Hours(prediction)");
readOnlyField("X Accountings Hours", "Database:TR.X Accountings Hours", "Hours");
readOnlyField("Comments", "Database:TR.Comments", "Comments");
TheApplication().SetProfileAttr("changeRecordEventEnabled", "Y");
return (ContinueOperation);
}
function BusComp_WriteRecord ()
{
TheApplication().SetProfileAttr("changeRecordEventEnabled", "N");
TheApplication().SetProfileAttr("changeRecordEventEnabled", "Y");
saveDatabaseValues();
}
function BusComp_ChangeRecord ()
{
if (strNVL( TheApplication().GetProfileAttr("changeRecordEventEnabled"), "Y") == "Y")
{
saveDatabaseValues();
}
}
function BusComp_PreInvokeMethod (MethodName)
{
return (ContinueOperation);
}
}

```

Pole required

1/ Required - statycznie

Table.column.required=true

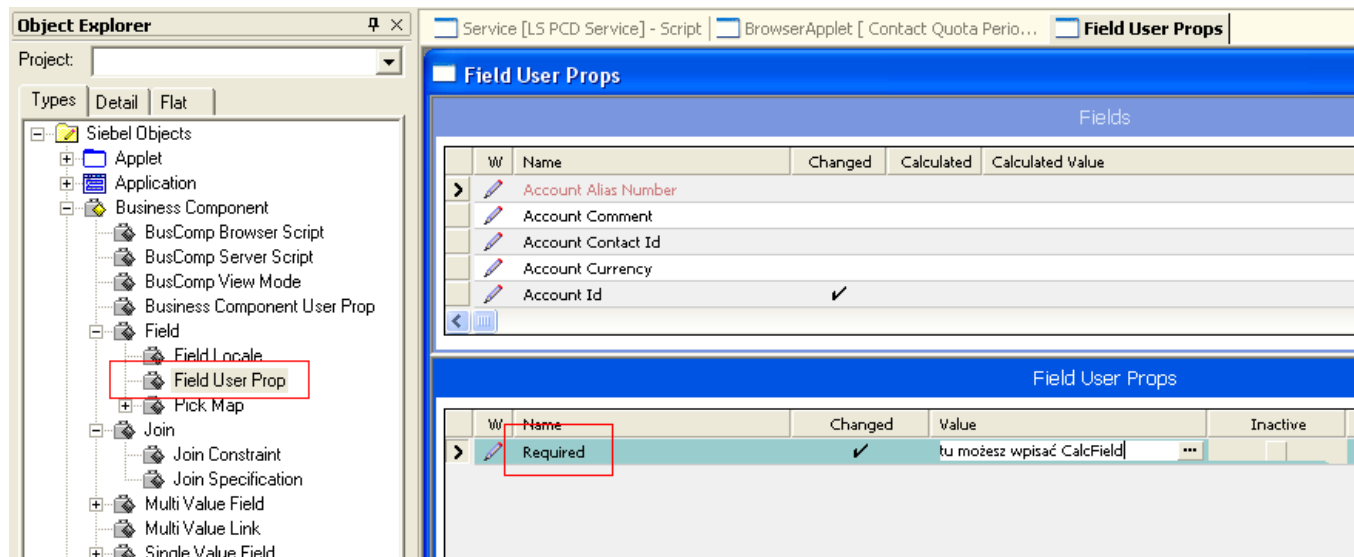
lub

BC.Field.Required = true

Nie rób required przez validation BC.Field.validation = [field] IS NOT NULL, ponieważ ta metoda nie działa podczas tworzenia nowego rekordu.

Read Only	FALSE
Required	TRUE
Scale	
Text Length	100
Type	DTYPE_TEXT
Validation	[Subject] IS NOT NULL
Validation Message	'Subject' is a required field. Please
Validation Message - String Ove	'Subject' is a required field. Please

2/ Pole required w zależności od innego pola



Zwróć uwagę, że required jest w Field User Prop a readonly w BC User Prop.

Pole visible/not visible

Pole visible/not visible - statycznie

bc.inactive = false

i

applet.Inactive = false

i

(

applet.Show In list = true (list column only)

lub

applet.visible = true (control only)

)

Pole visible/not visible w zależności od innego pola

Chyba nie ma takiej możliwości (może można to zrobić browser script). Użyj funkcjonalności toggleApplet.

ToggleApplet to inny applet, który pokazuje się, gdy wartość w kolumnie X = Y (nie jest to pakiet osadzany, ale całkiem nowy applet).

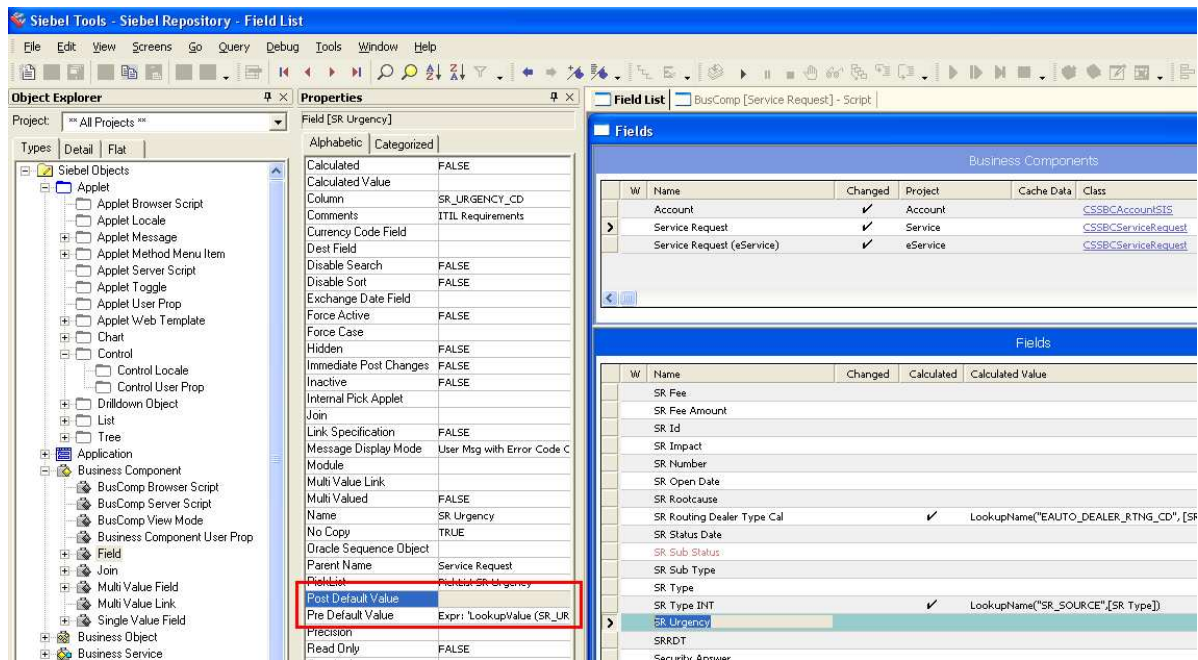
Ze względu na późniejsze problemy z utrzymaniem spójności pomiędzy appletem i jego kopią staraj się nie używać tej możliwości.

Więcej w pliku SiebelForms.doc

Wartość domyślna dla pola (default value)

Sposób 0 - na tabeli

Sposób 1 - na BC



np.

1/

Expr: "IIF(ParentBCName() = ""Program Container"" OR ParentBCName() = ""Campaign"", ParentFieldValue("""Activity Type""), LookupValue("""TODO_TYPE"" , ""Appointment""))"

2/

Field: "Order Number"

sposób 2

język skryptowy

1/

function BusComp_NewRecord ()

2/

np. sysdate

uwzględnia strefy czasowe, lepsze

```
var dSysDate = Clib.localtime(Clib.time());  
var sSysDate = (dSysDate.tm_mon+1)+"/"+dSysDate.tm_mday+"/"+(dSysDate.tm_year+1900)+" "+  
dSysDate.tm_hour+":"+dSysDate.tm_min+": "+dSysDate.tm_sec;  
conBC.SetFieldValue("Planned", sSysDate);
```

nie uwzględnia stref czasowych, gorsze

```
var sysdate = new Date();  
var sysdatestring = ((sysdate.getMonth() + 1) + "/" + sysdate.getDate() +  
"/" + sysdate.getFullYear()+ " " + sysdate.getHours() + ":" +  
sysdate.getMinutes()+":" + sysdate.getSeconds());  
this.SetFieldValue("Sales Stage Date",sysdatestring);
```

Uwagi:

- Data MUSI być w podanym w przykładzie formacie NIEZALEŻNIE od ustawień systemowych - standard Siebel
- funkcja sysdate.getMonth() zwraca wartości 0..11 (nie 1..12)
- nie wpisanie () po sysdate.getMonth nie spowoduje błędu kompilacji, a jedynie zostanie zwrócony string 'native function'

http://download.oracle.com/docs/cd/B31104_02/books/OIRef/OIRefVBProgTools10.html

Open issues