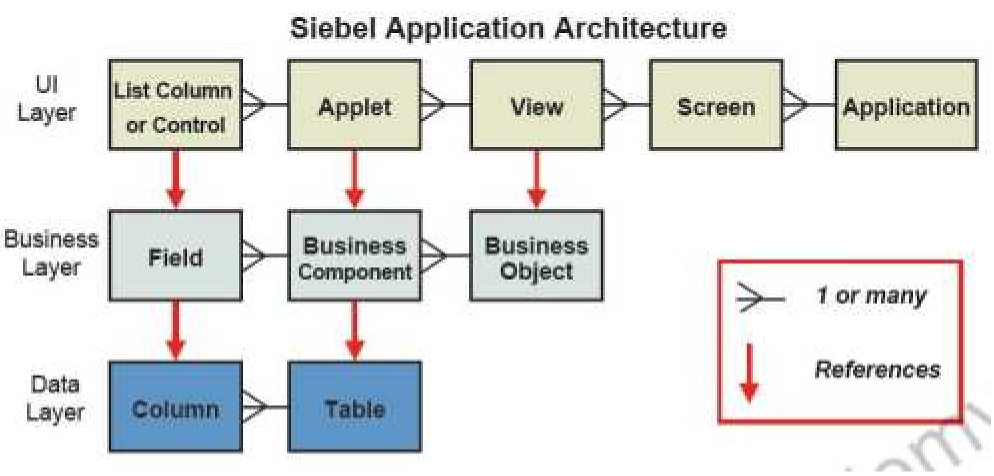
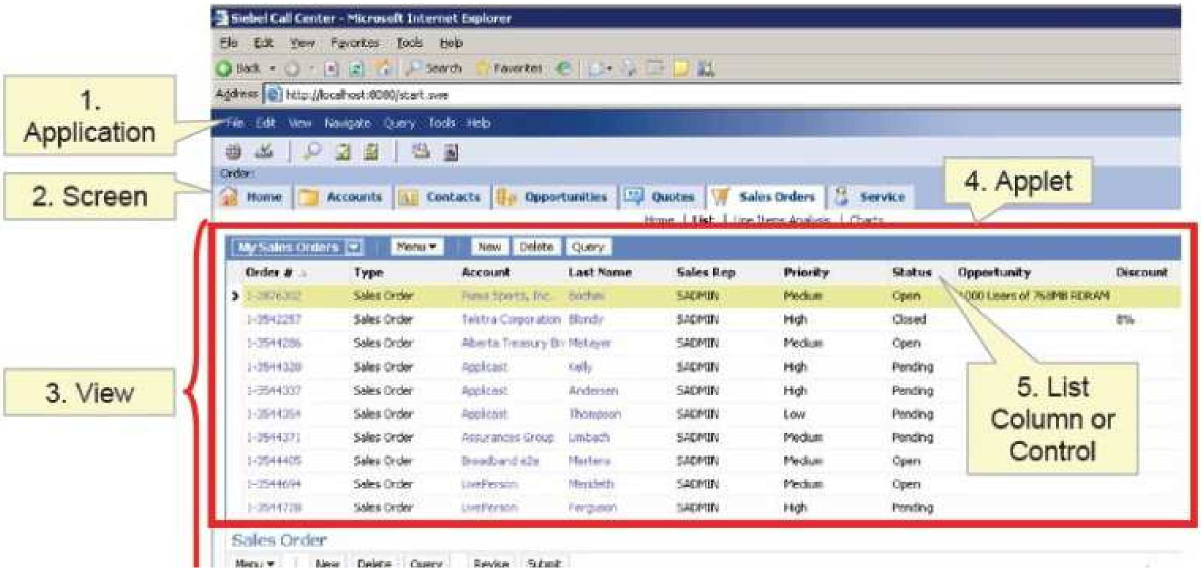
Standard documentation

SiebelBookshelf\81Siebel_Nov08\ToolsOnlineHelp\configapps.chm

Idea

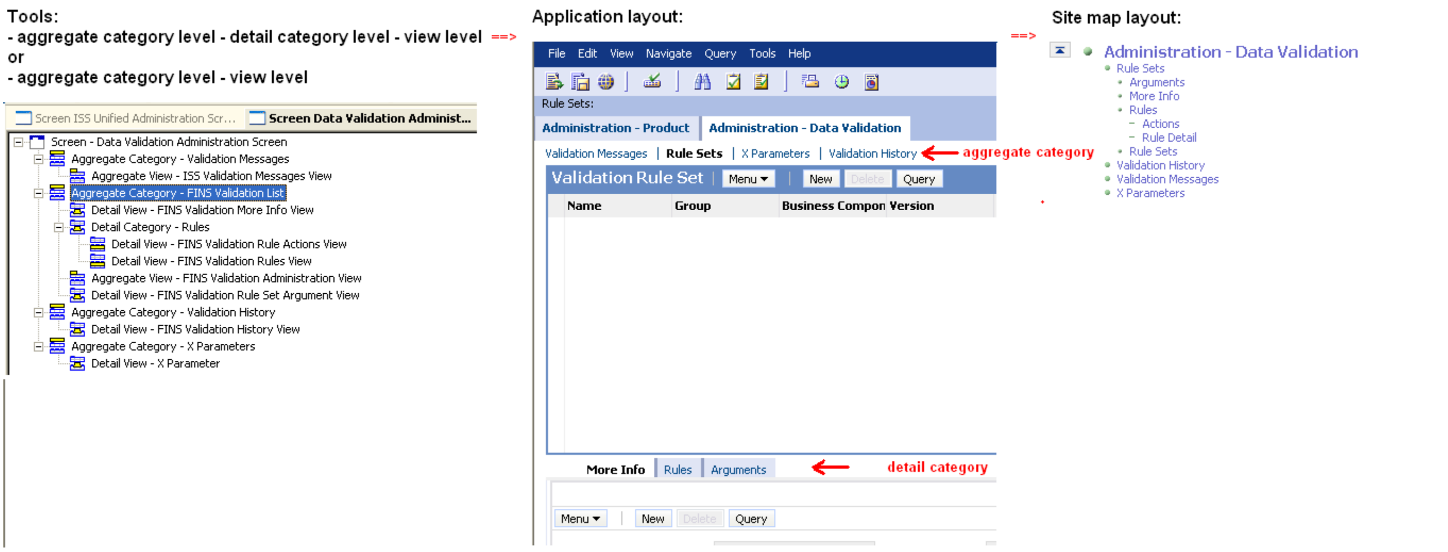
Obiekty repozytorium są w następujących relacjach





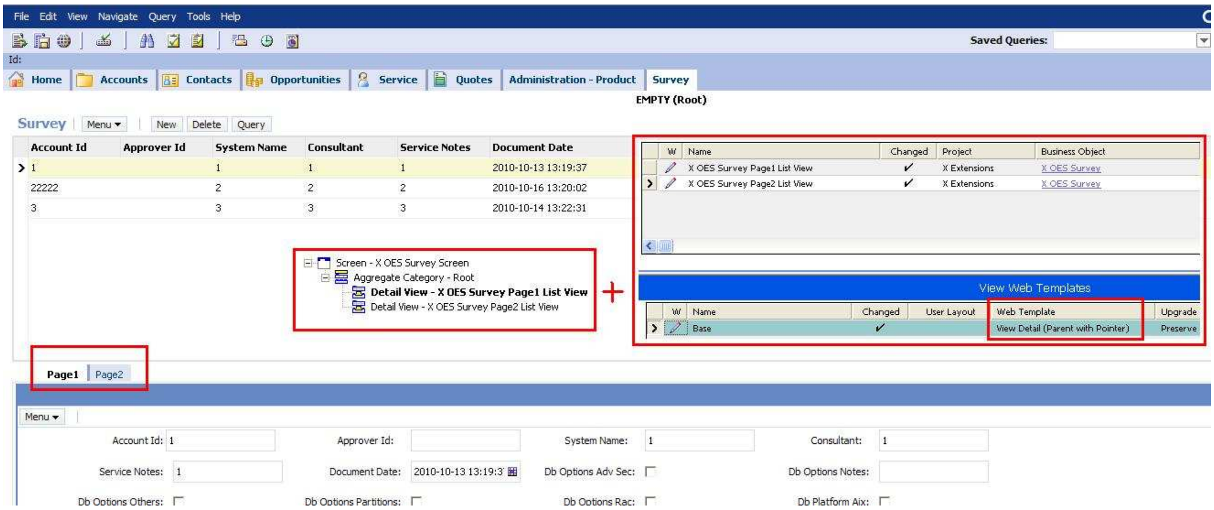
Gdy tworzysz nowy element: odnajdź podobny element, który posiada pożądane właściwości i skopiuj go. W znajdziesz coś na pewno, w Siebel jest mnóstwo elementów.

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

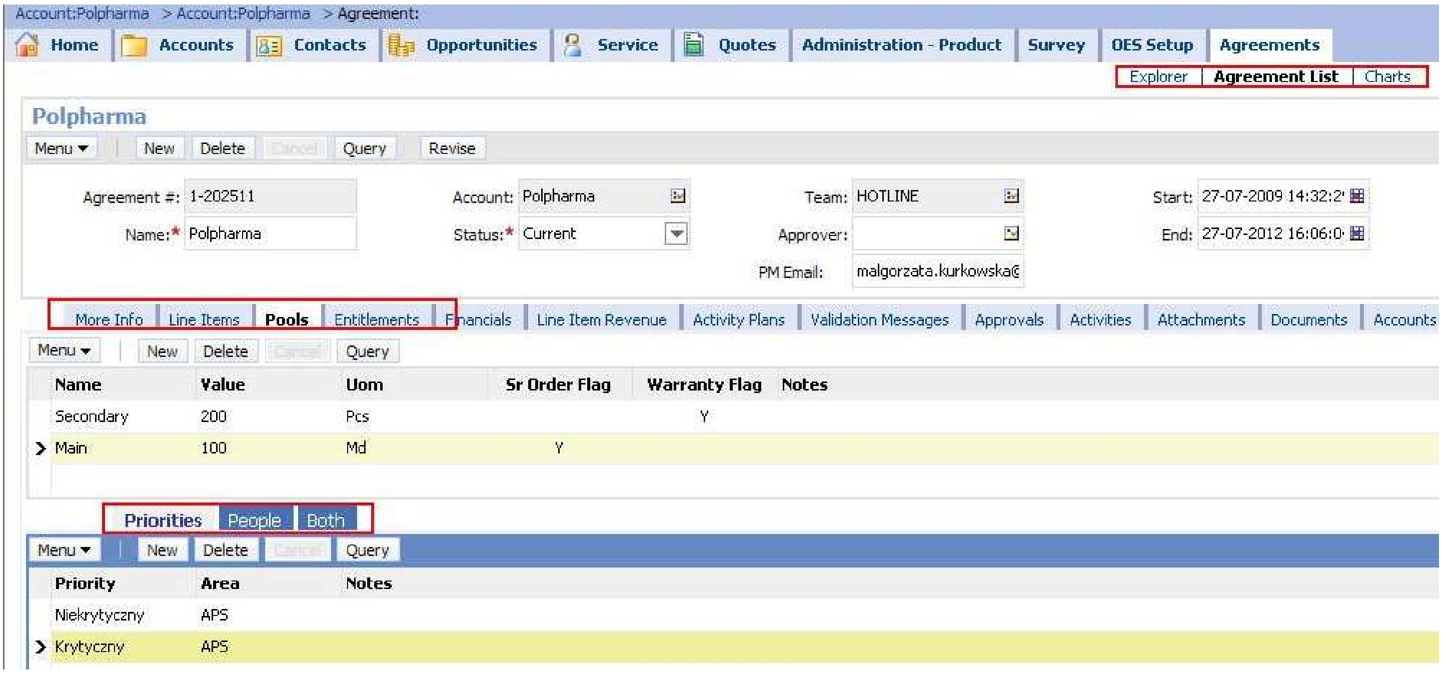


wskazówka 1: jeżeli robisz nowy widok, pamiętaj, żeby dodać view do responsibility usera (zob "Dostęp do widoków i appletów")

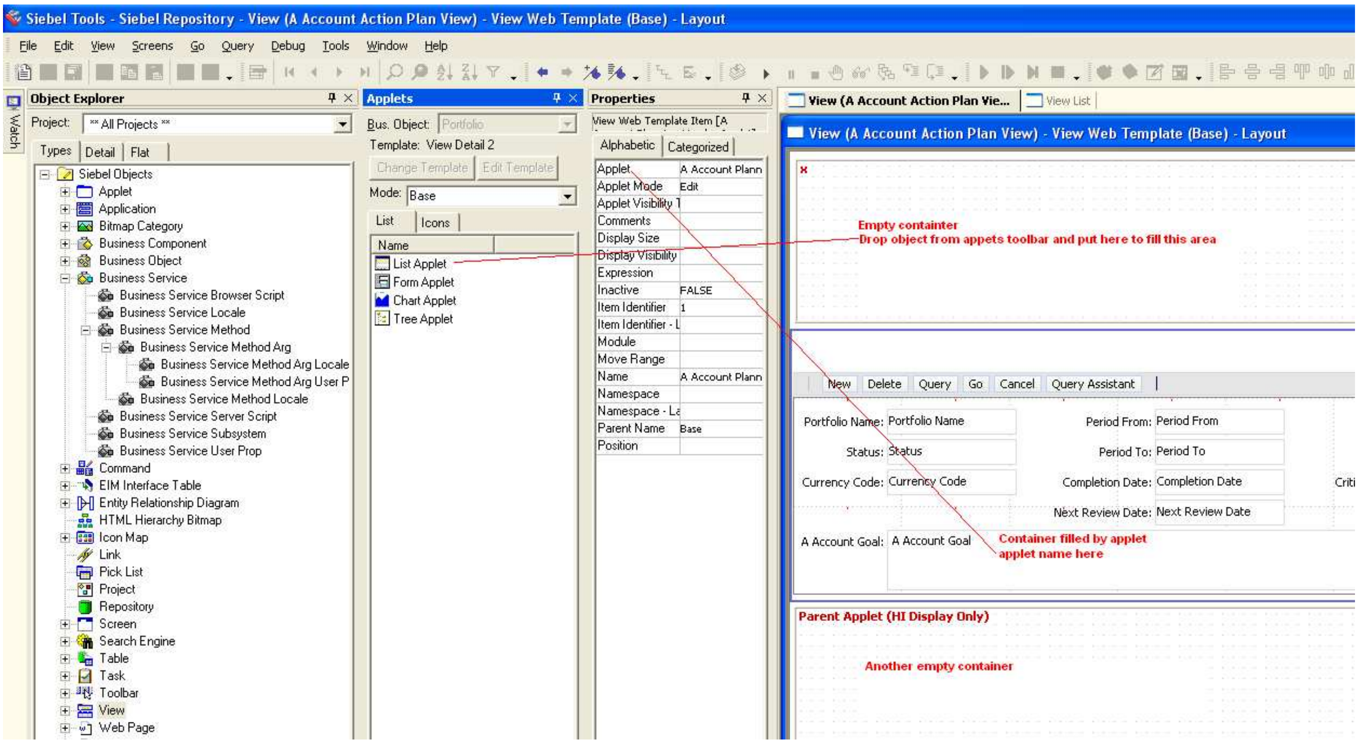
wskazówka 2: w dokumentacji jest napisane dokładnie co trzeba zrobić, żeby uzyskać efekt linka na odpowiednim poziomie (Configuring Siebel Business Applications > Configuring Screens and Views > About Screen Views). Istotny jest również **web template widoku (jeżeli użyjesz złego web template, wówczas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



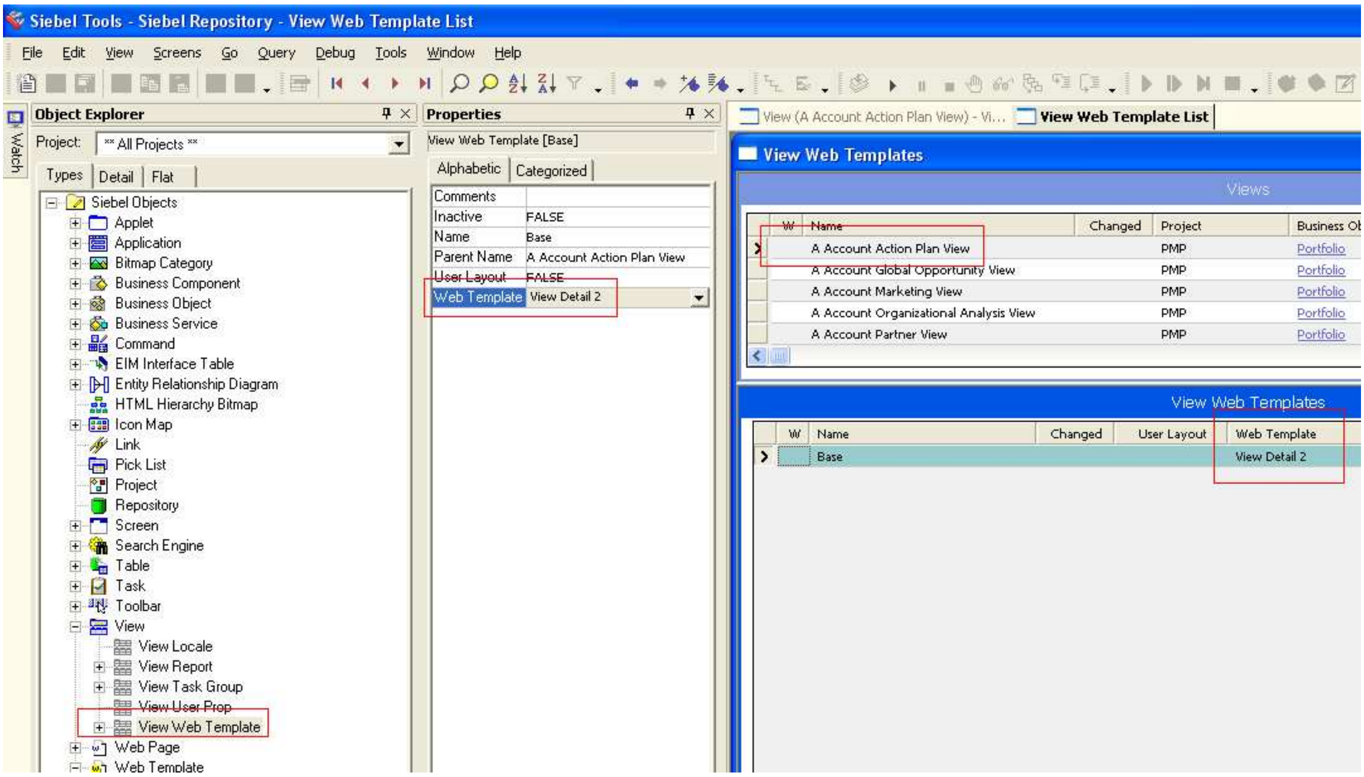
wskazówka 3: można tworzyć nawet 3 poziomowe zakładki (jeżeli chcesz mieć takie, po prostu skopiuj istniejące rozwiązanie i dostosuj do potrzeb)



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

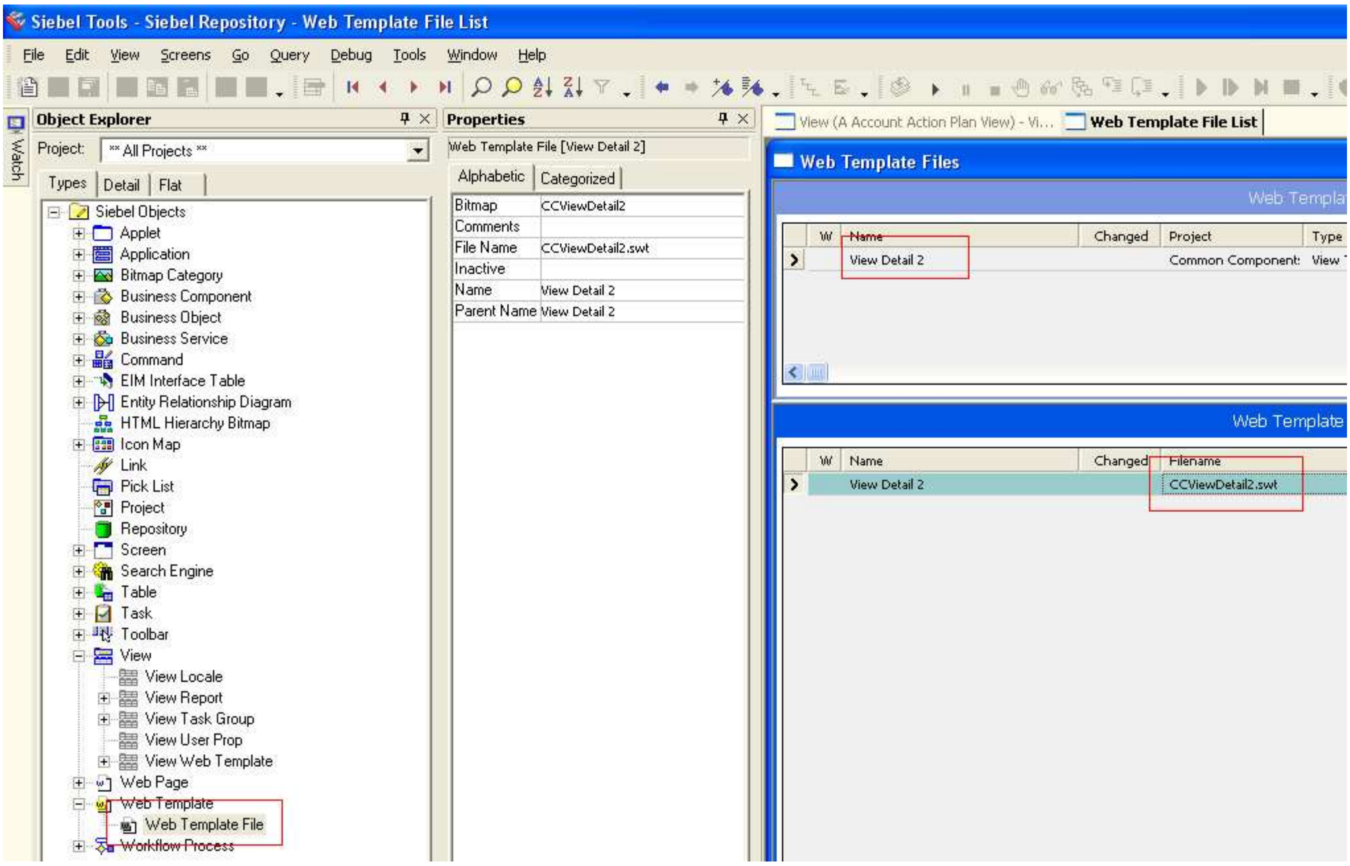


- to, ile jest kontenerów na widoku i jak są ułożone względem siebie wynika z web template skojarzonego z widokiem



- 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.

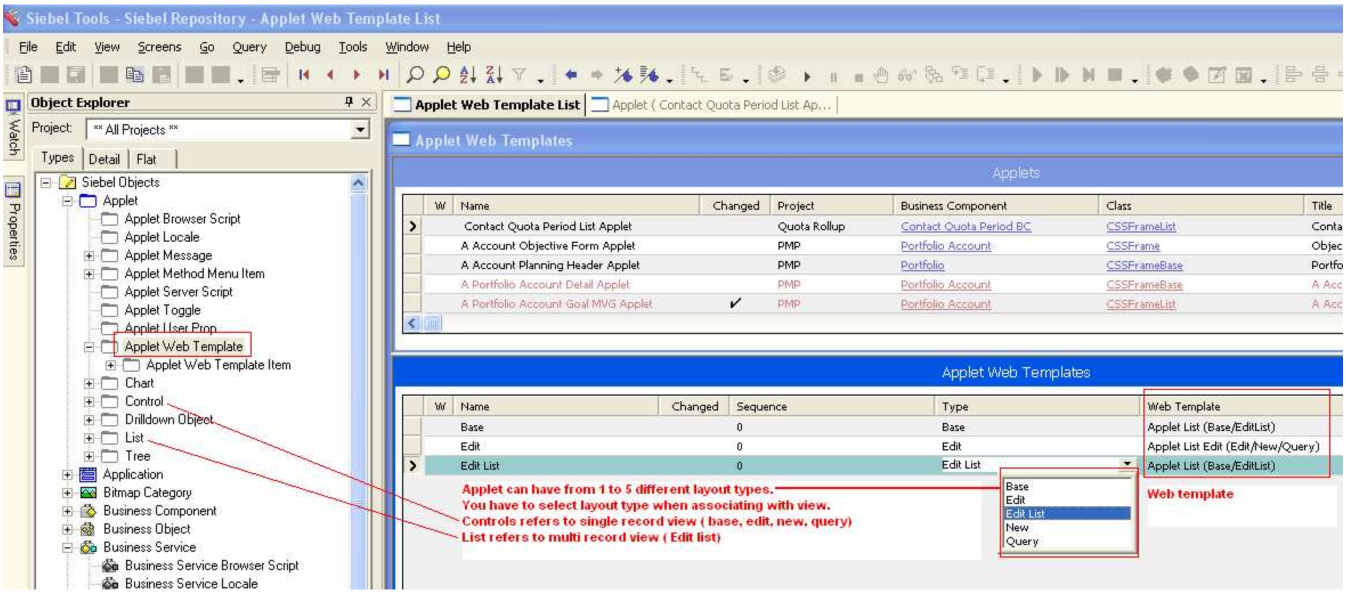
IN ORDER TO SEE CHANGES, YOU MUST DO TWO THINGS: 1/ MODIFY SWT FILE. 2/ RECOMPILE IN TOOLS PROPER WEB TEMPLATE

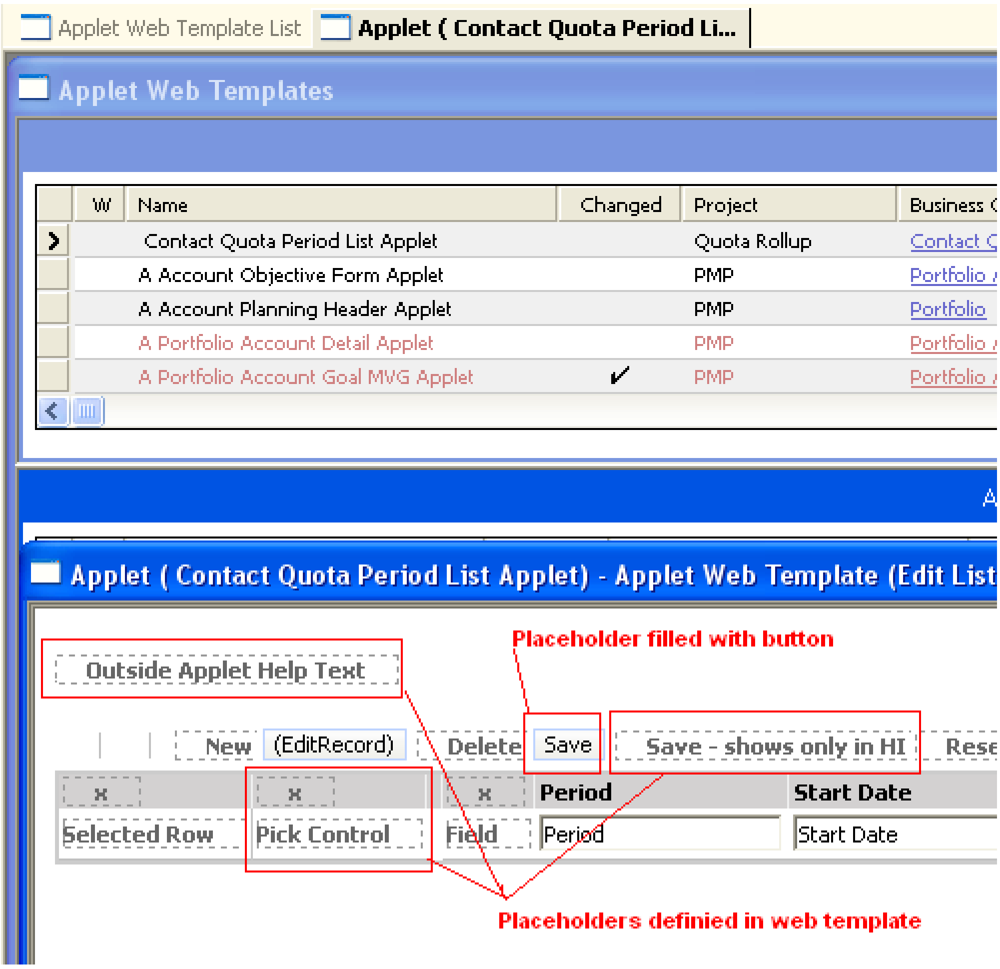


Przykładowa zawartość pliku .swt

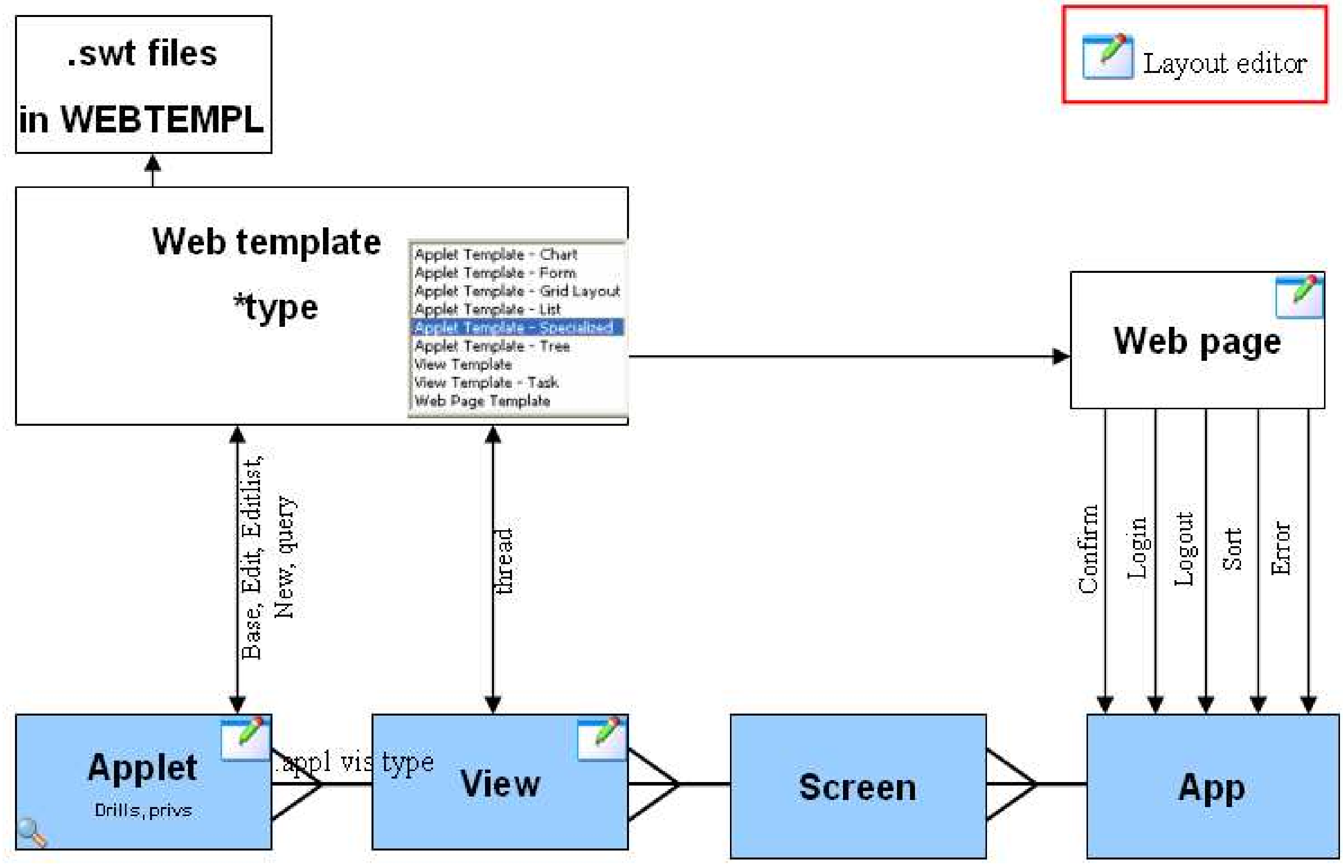
```
2.. CCListButtonsTop.swt

<!--  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>
                
               <swe:this property="Title"/>
                
            </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'">
            <img src="images/spacer.gif" width="1" height="1"></td>
            <td><swe:nav-control type="Category View" style="Select"/></td>
            <td>
            <img src="images/spacer.gif" width="8" height="1">
            <swe:if condition="Task UI Service (SWE),IsNotInTask">
              <img src="images/btn_div_gray.gif" height="13" align="middle" alt="">
            </swe:if>
            <img src="images/spacer.gif" width="8" height="1">
          </swe:case>
```

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



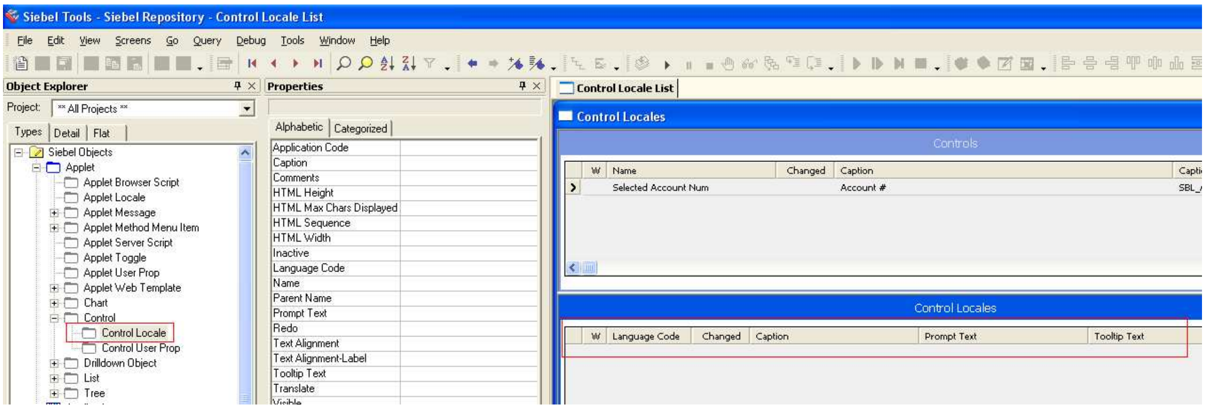


- Web template (poza wymienionymi zastosowaniami, czyli definiowaniem appletów i widoków) mogą również zawierać definicję wyglądu całej strony aplikacji: okna logowania, wylogowania, błędu itd. Oczywiście określony web template może pełnić tylko jedną funkcje (applet, widok lub web page) Podsumujmy rysunkiem 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 wielojęzykowe



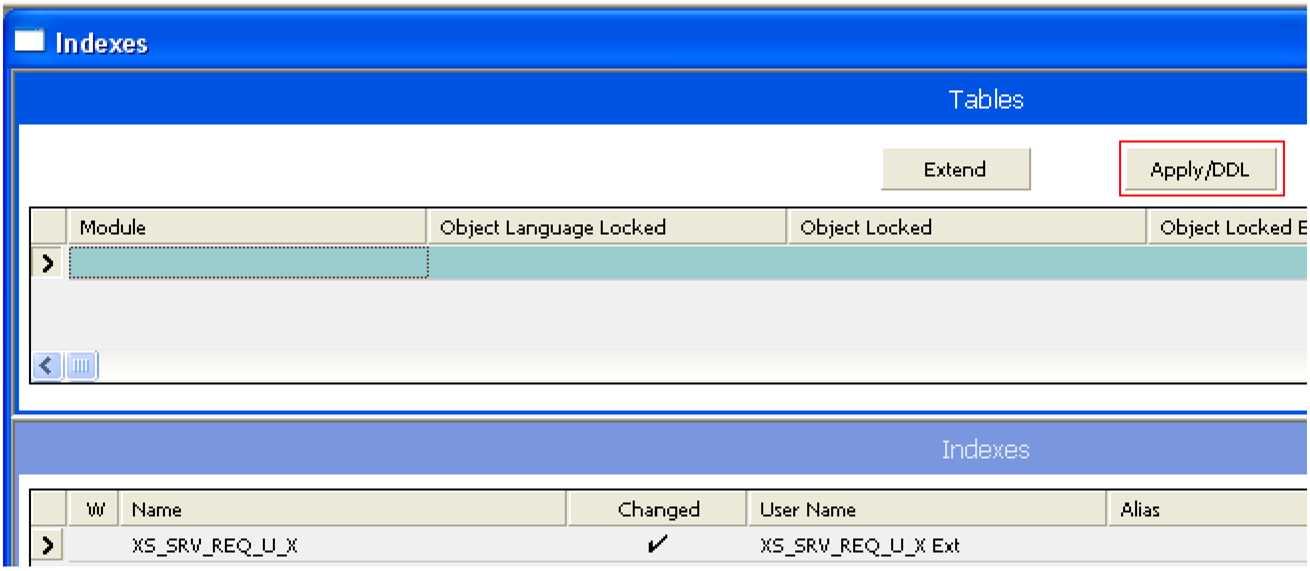
Create table

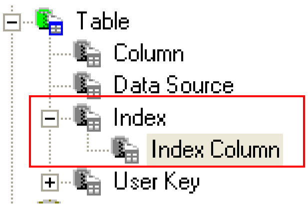
Use Wizzard (File - New)- who columns and other standard fields will be added automatically.
Custom table name prefix is CX for example CX_PARAMS.
Z reguły nowe obiekty tworzy się w lokalnym repozytorium.
Jednak tabelę trzeba założyć na serwerze – zaloguj się toolsami do serwera.

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.

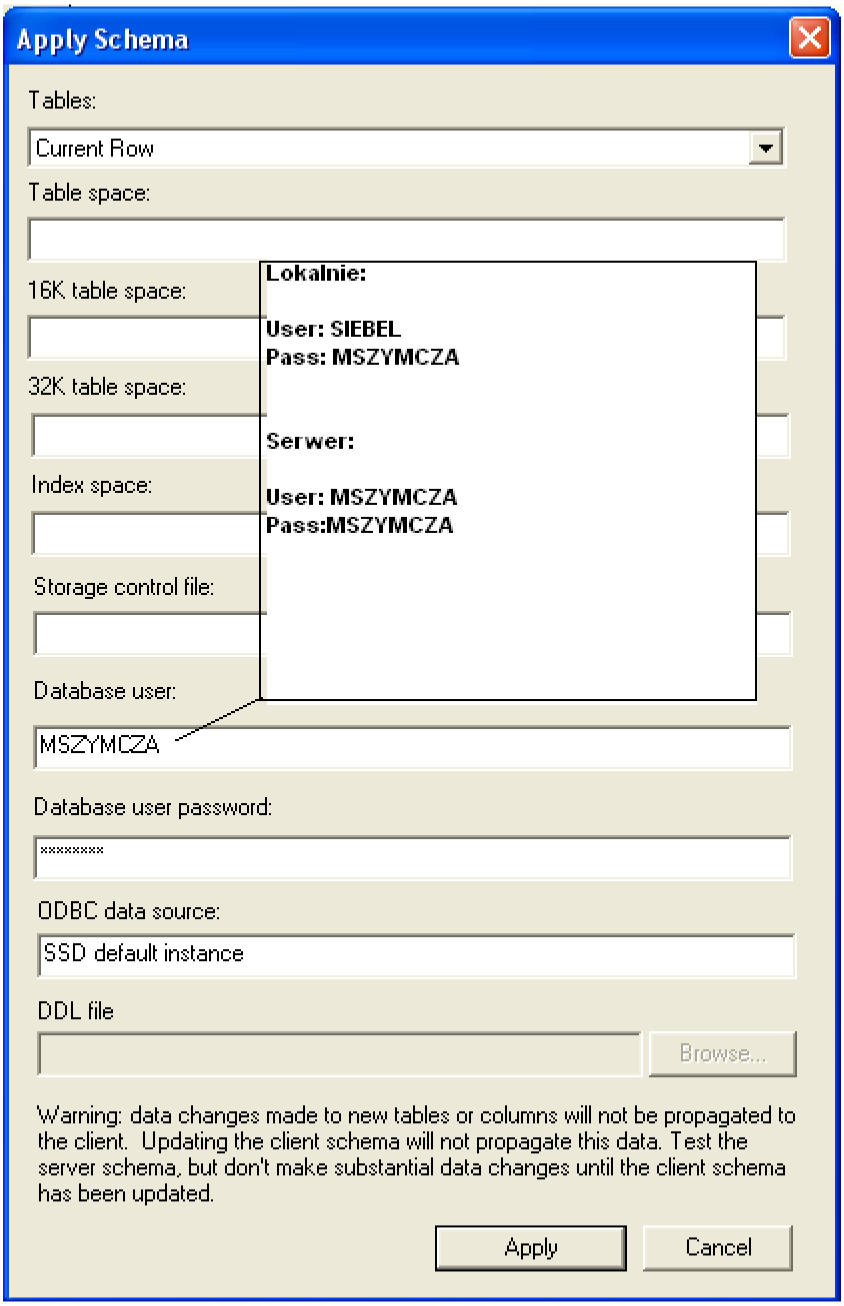
Jeżeli założysz tabelę lokalnie, to nie zadziała check-in.
<u>On the contrary, table modifications can and have to be done locally.</u>

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 applecie 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 (

).



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 ?

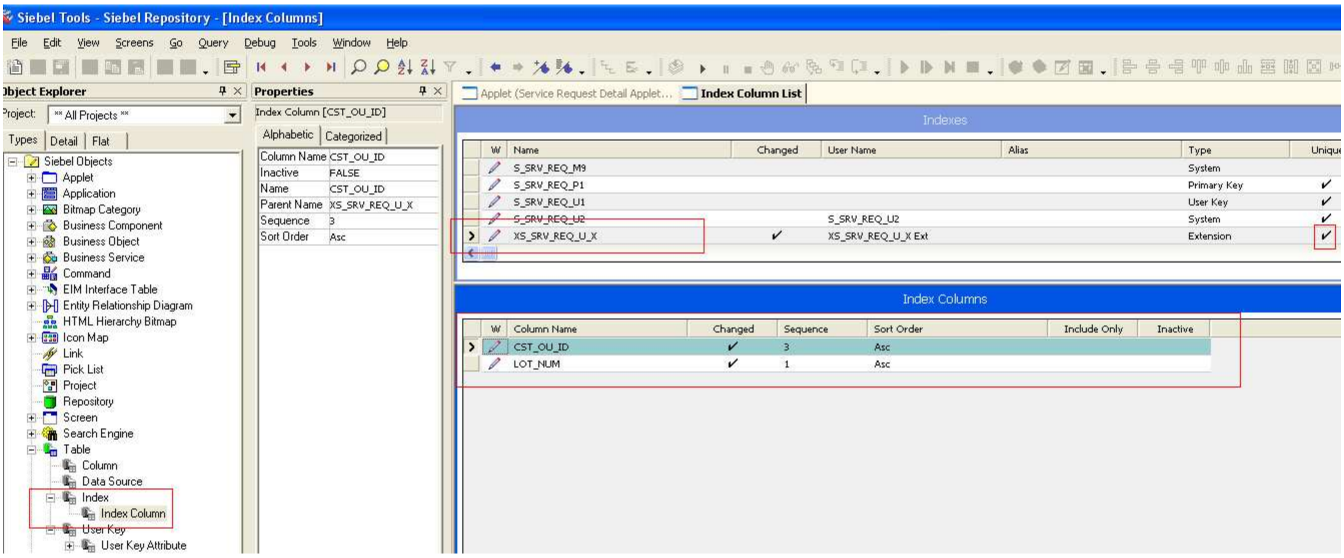
- zamknij wszystkie lokalne procesy korzystające z lokalnej bazy danych

- 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. Jedyny 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.

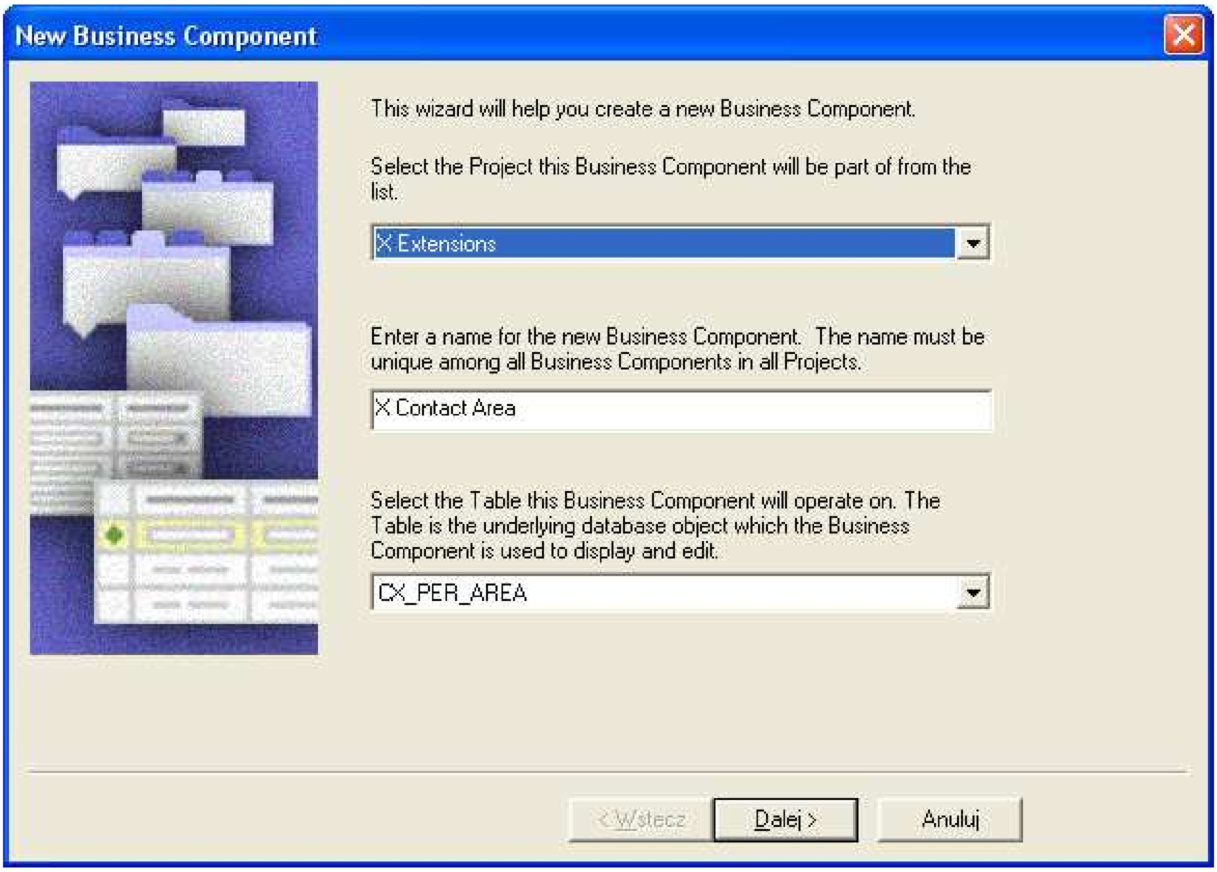
4. Data Validation Manager - nigdy osobiście tego nie próbowałem, ale z tego co wiem, można użyć DVM (czyli Site Map -> Administration - Data Validation Manager) do pilnowania unikalności kolumn. Potestujecie chwilę, to się przekonacie.

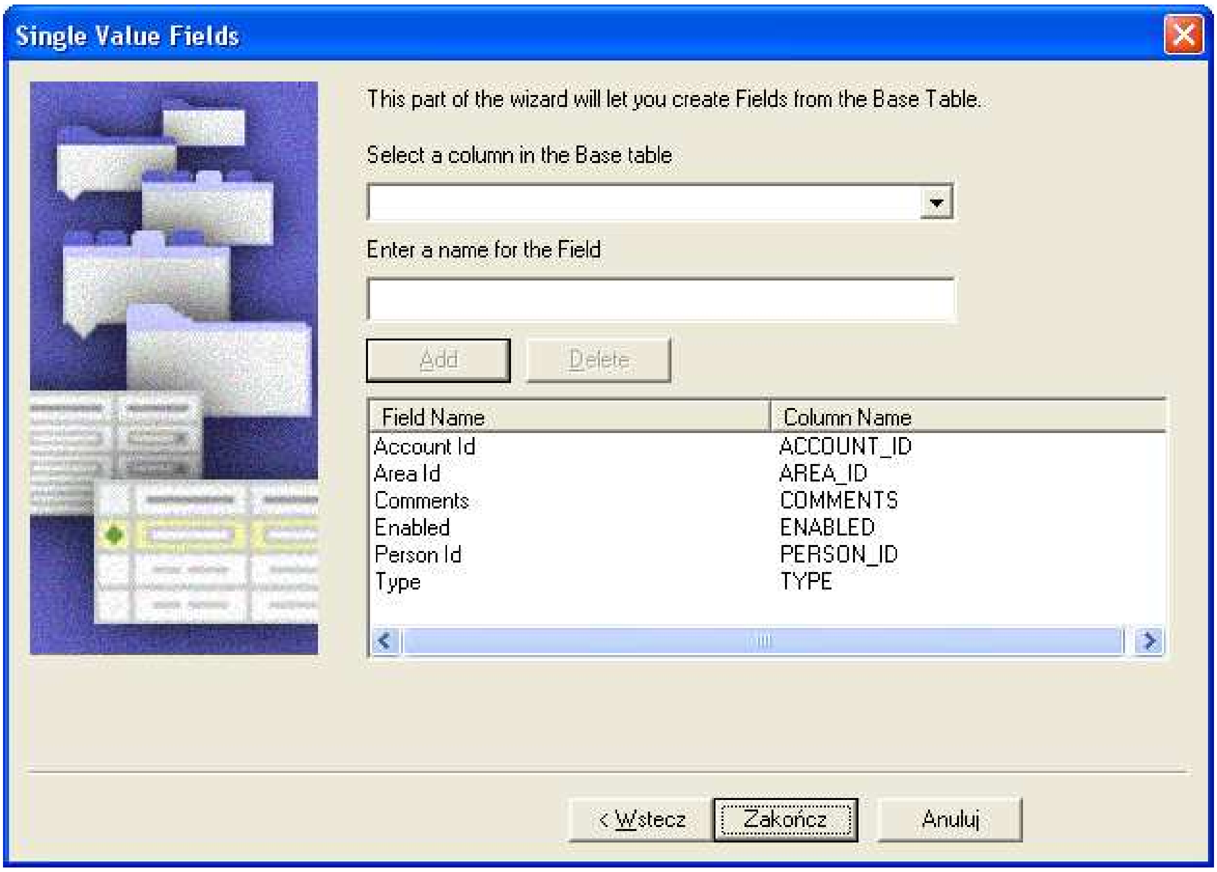
5. Skrypt - skryptem można wszystko. Również pilnowania unikalności. Ale zawsze trzeba się zastanowić, czy na pewno we wszystkich komponentach pilnujemy tej unikalności (być może SR można tworzyć przy użyciu innych komponentów, nie tylko Service Request). Poza tym, np. gdybyście chcieli ładować dane 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





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

	W	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

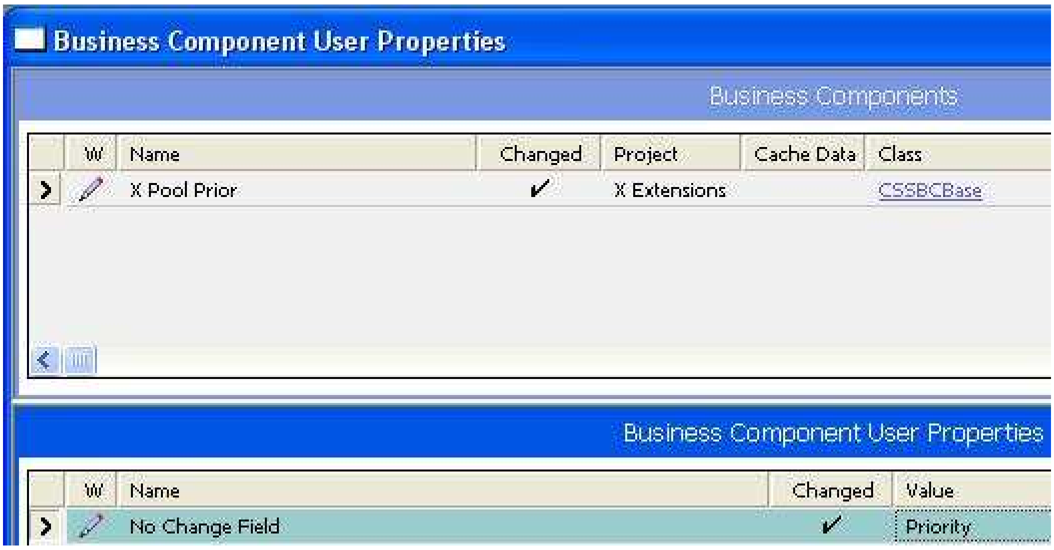
Calculated Value : IIf([Status] = 'Pending' , 'Y' , 'N')

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 commited



No Clear Field

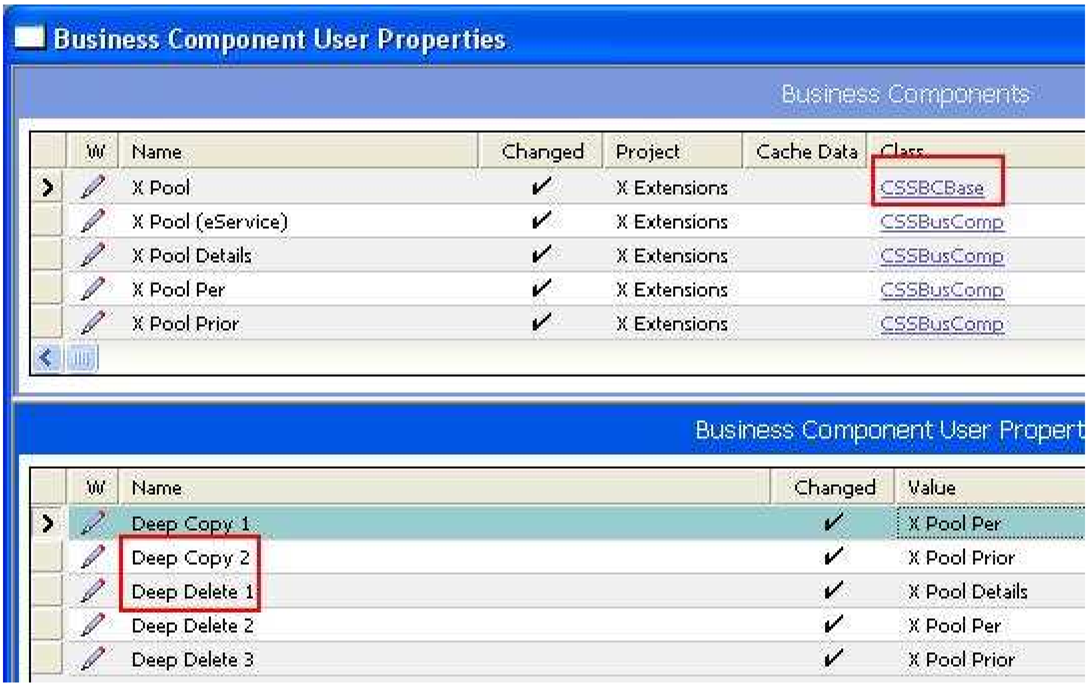
This user property disallows setting a field’s value to NULL. Similar to “No Change Field”

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

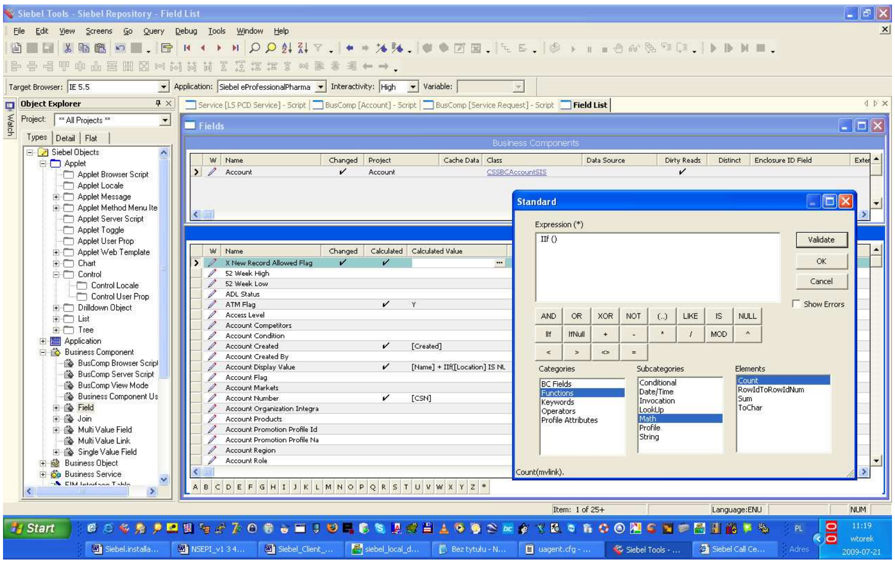
Joined field (from lookup table, see join property)

Calculated field (see calculated, calculation properties)

Examples

Calculated Value: ParentFieldValue (”Type”)

GetProfileAttr("Account Id")



Pola wyliczane 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)

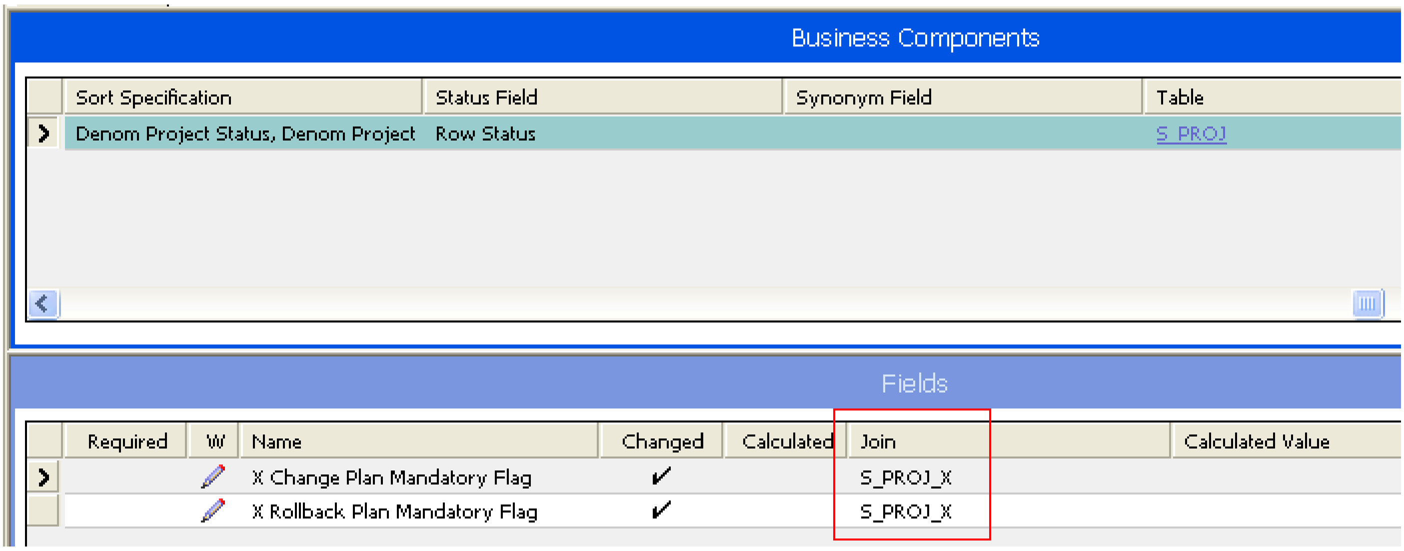
What is difference between join and link ?

Join merges tables within BC.

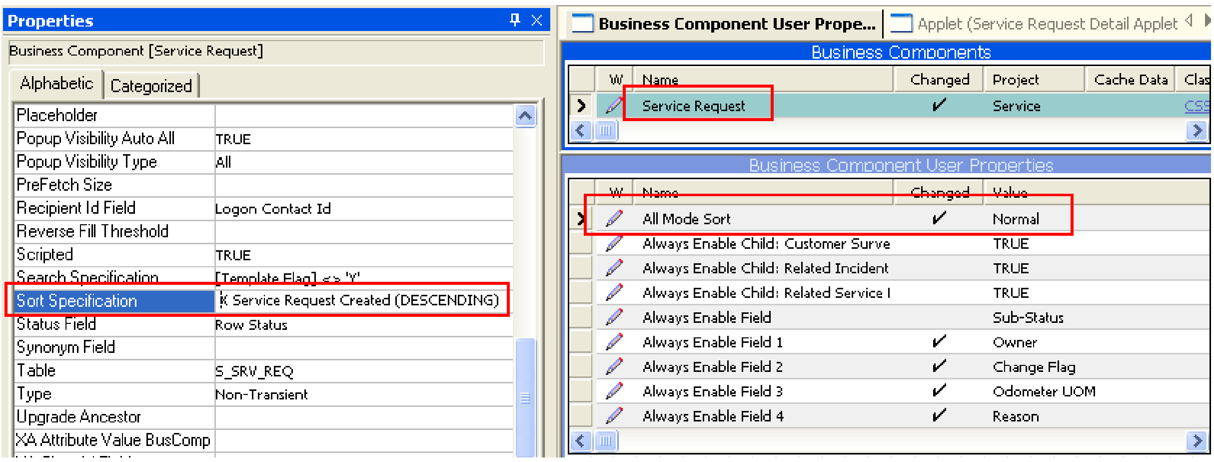
Link merges BC within BO.

Note, that extention tables are joined by default. You musn’t create joins for extention table since it already exists.

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

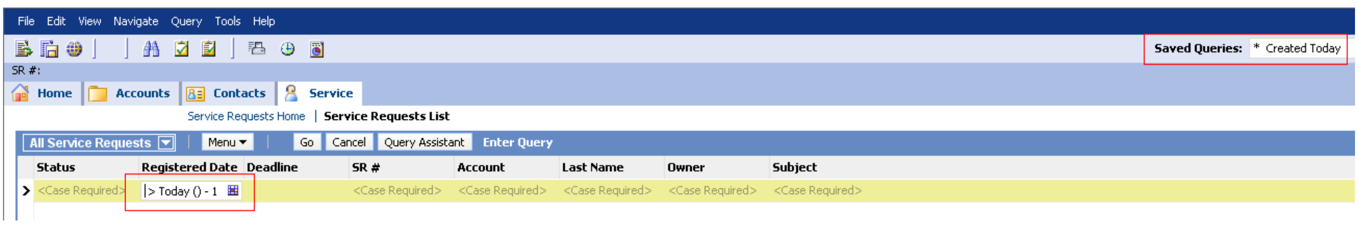


Sort order (order by)



Where [+ order by]

Use saved query functionality

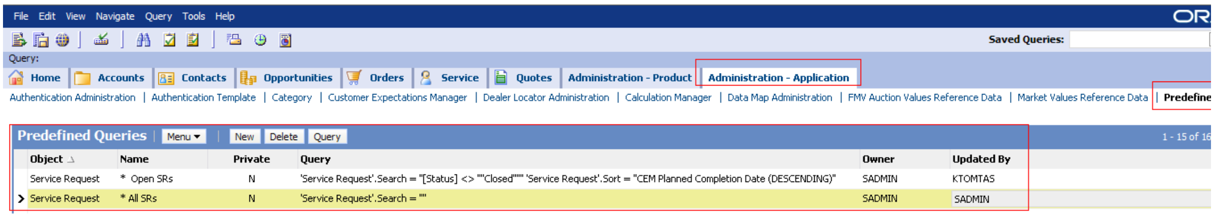


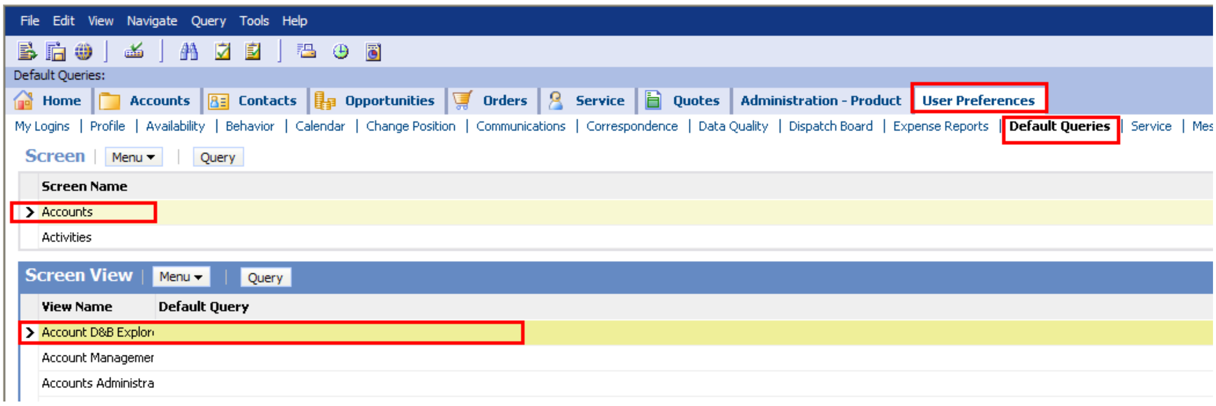
How to set default query

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:

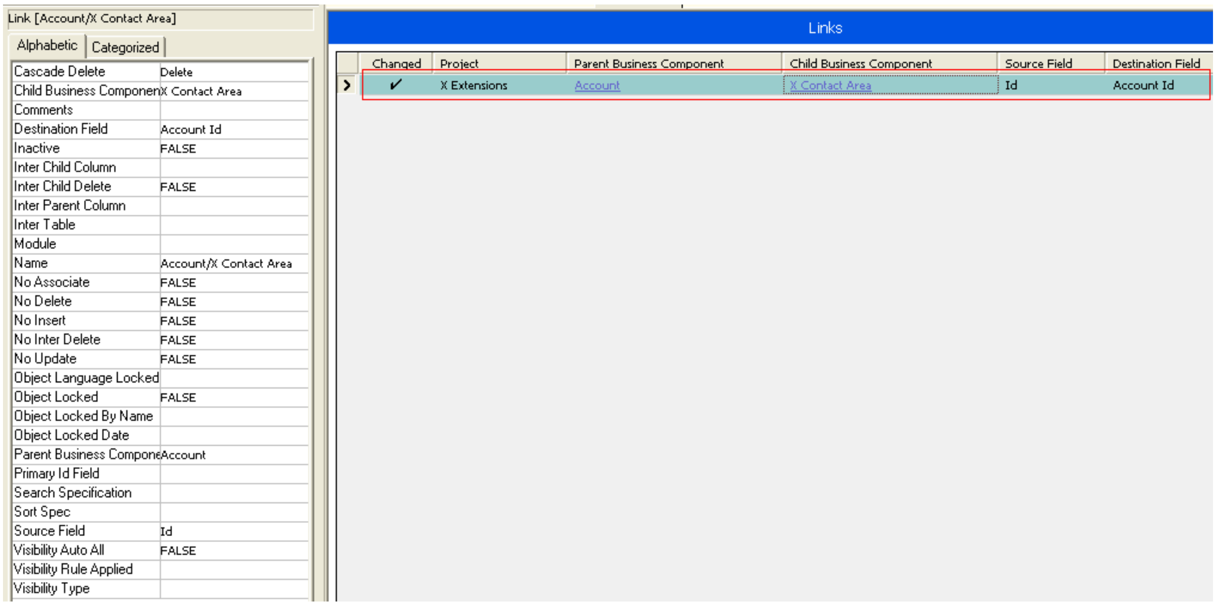
'Service Request'.Search = "[Status] <> ""Closed"""

'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 (inesction Fields).

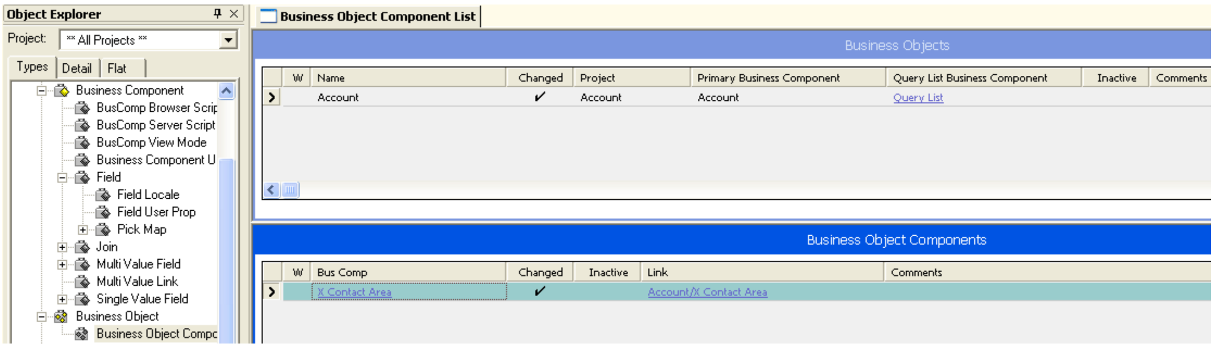
Intersection consideartions.

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)

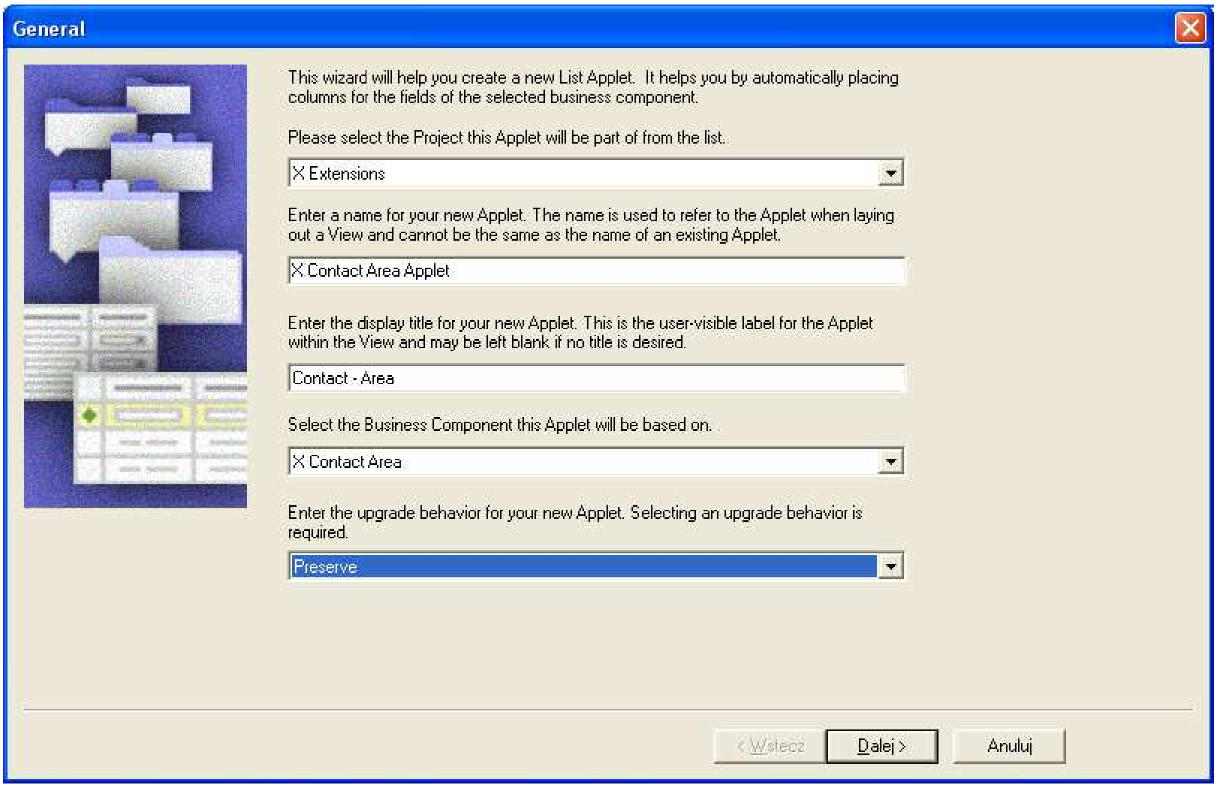
Add your BC to bussines object



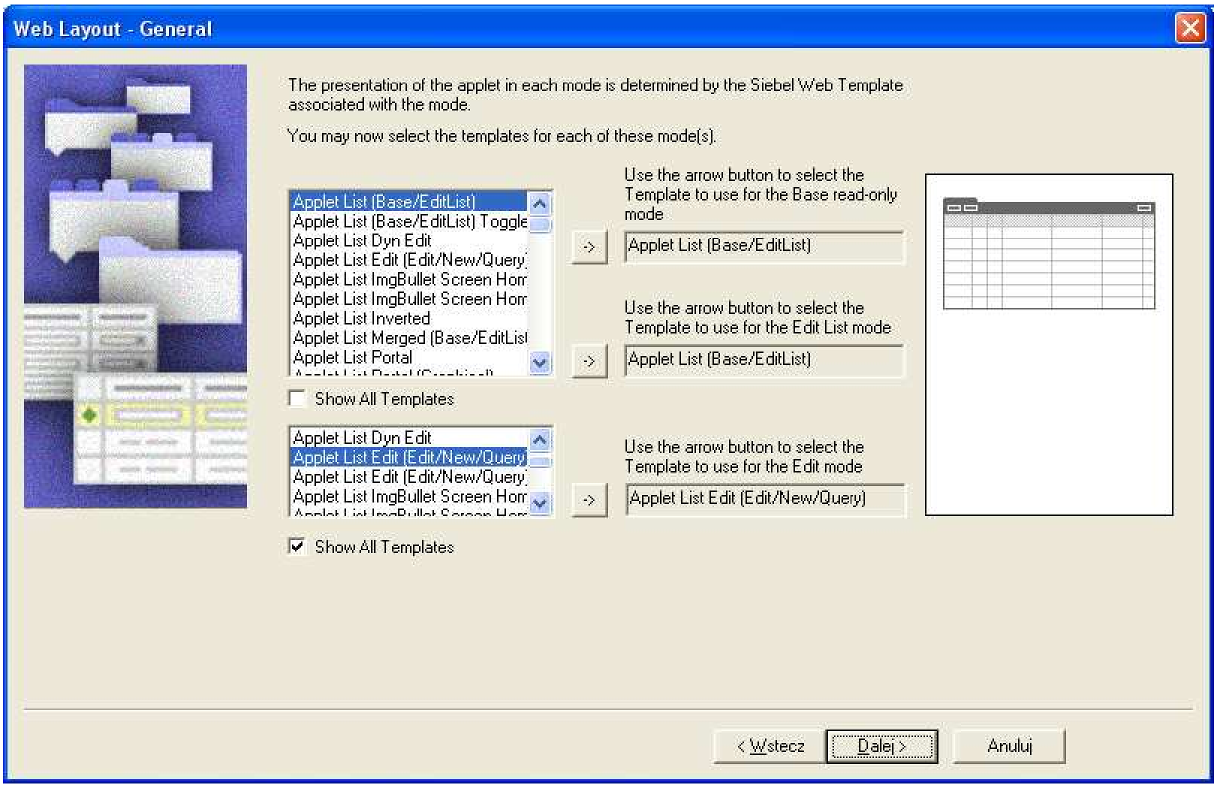
Create applet

Use wizzard.

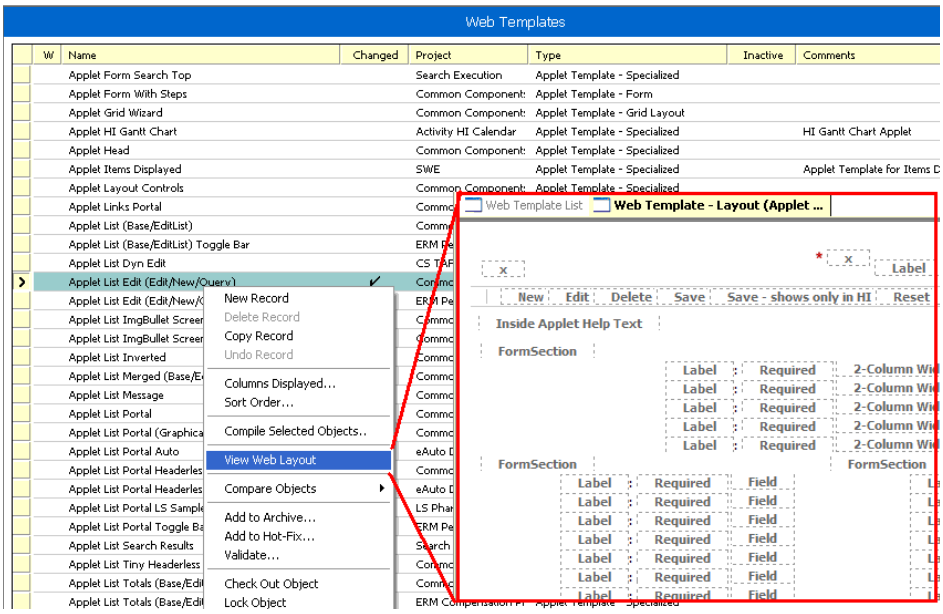
Name = BC.Name + „List Applet” | ”Detail Applet”



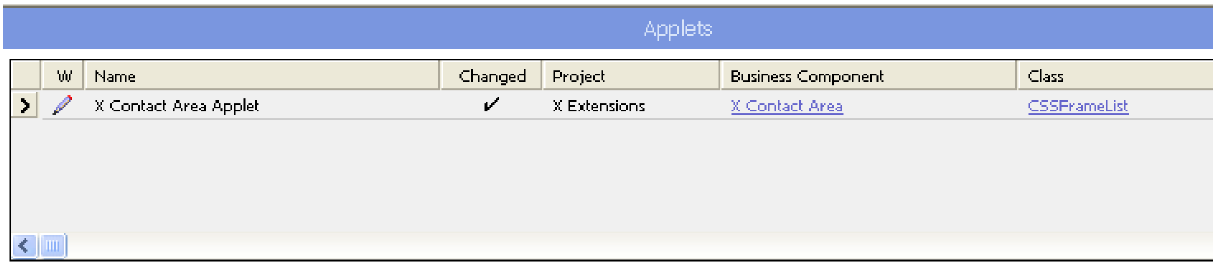
Preserve = do not erase this applet when Siebel is upgraded

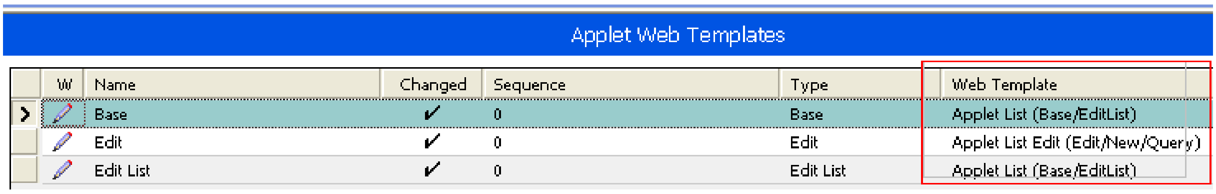


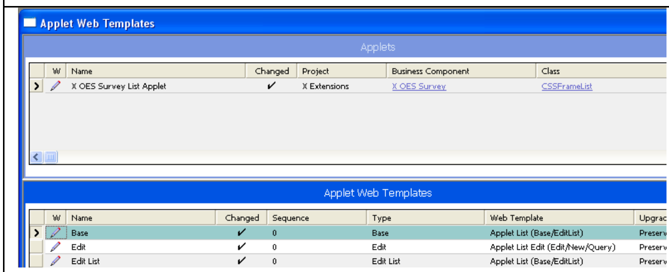
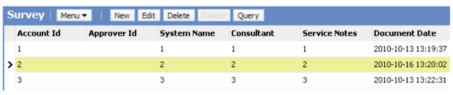
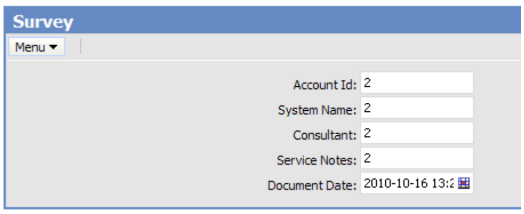
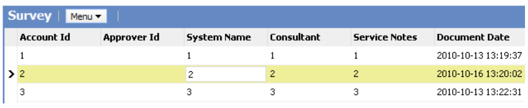
Web templates can be reviewed also in tools this way:

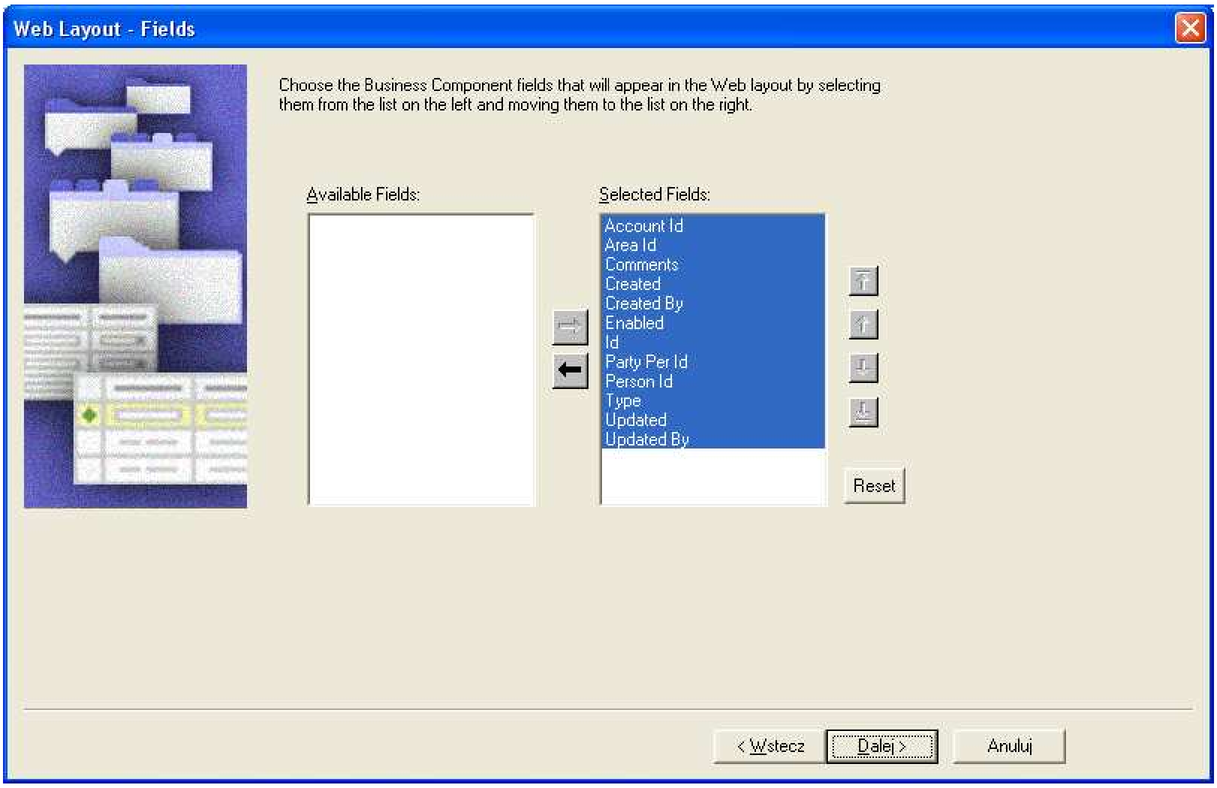


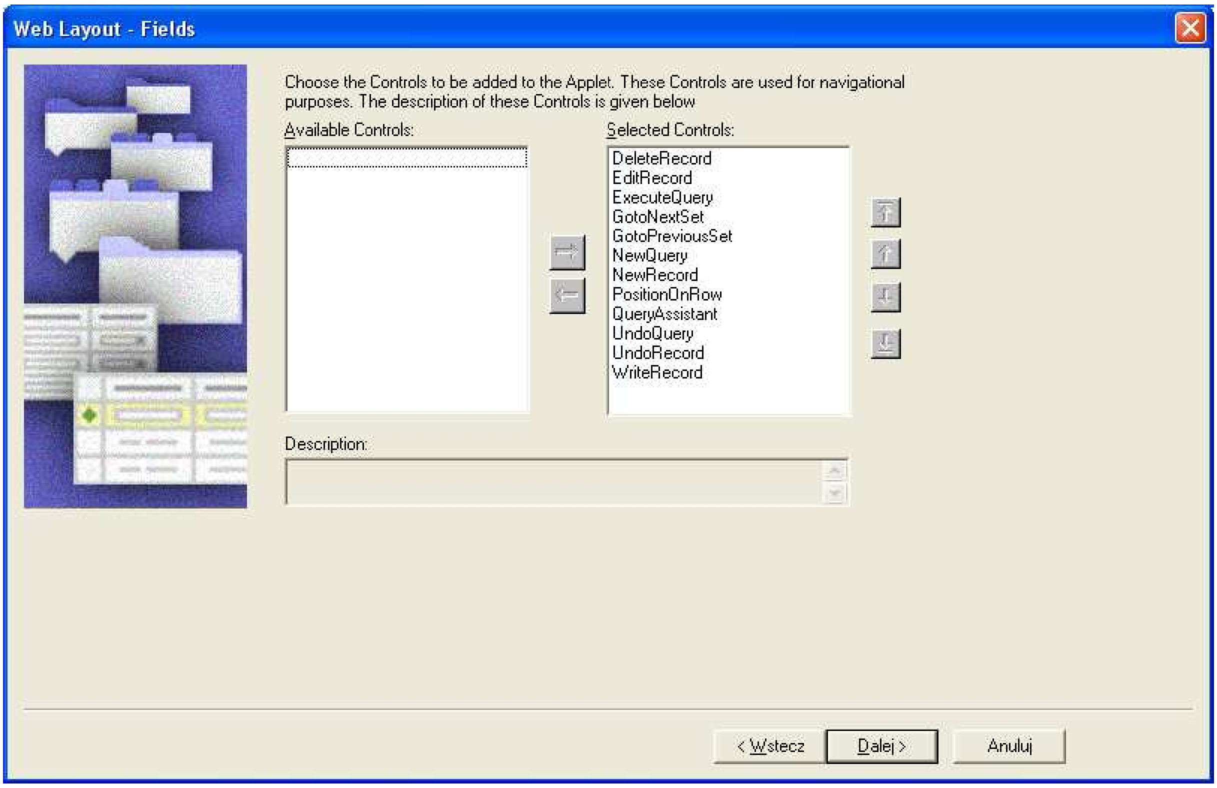
Don`t know which Web template and mode use ? Look into existing applet here:

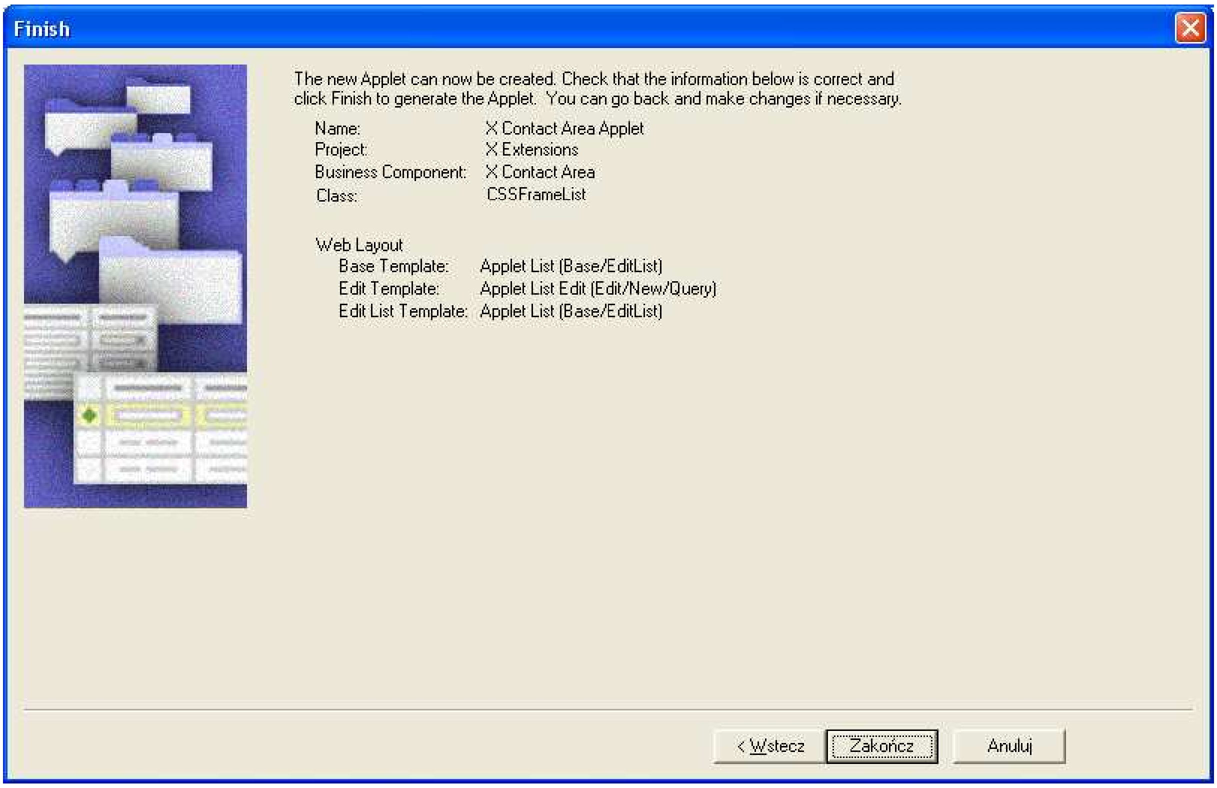




With these settings..	..the Application will look like this
 View.AppetContainer.AppletMode = Base	 Edit on separate mode: 
Same Applet Web templates, but View.AppetContainer.AppletMode = Edit List	Edit in grid: 

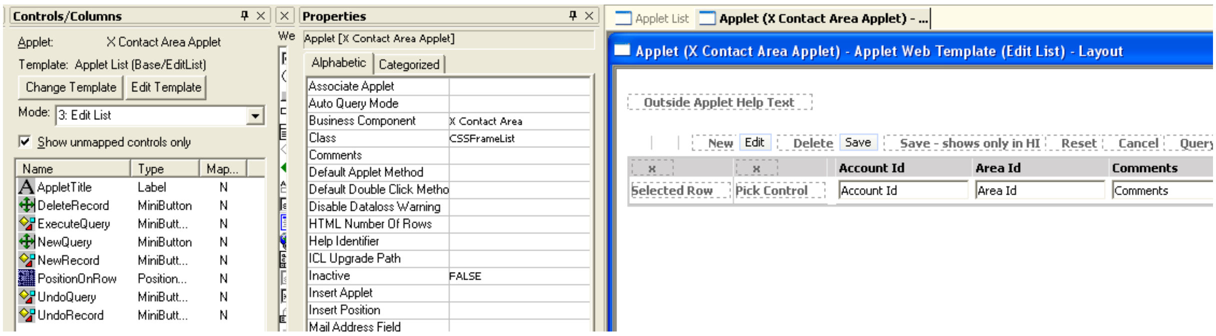

Web Layout - Fields
Choose the Business Component fields that will appear in the Web layout by selecting them from the list on the left and moving them to the list on the right.
Available Fields:
Selected Fields:
Account Id
Area Id
Comments
Created
Created By
Enabled
Id
Party Per Id
Person Id
Type
Updated
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

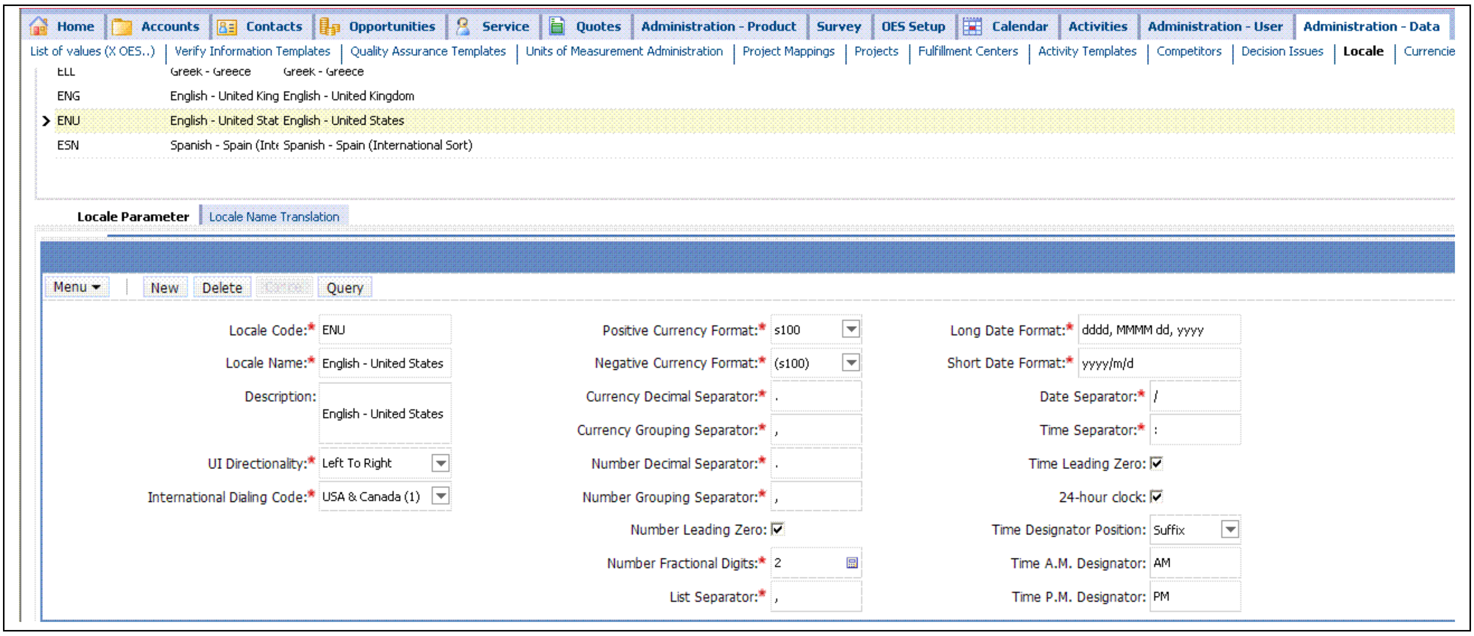
Applet.Control.Text Allignment = Right

For list applets:

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

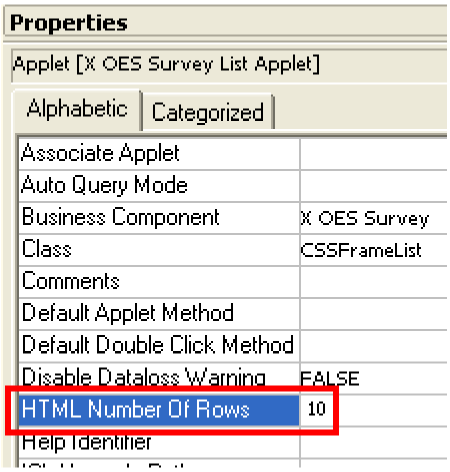
Applet.List.List Column.Text Allignment = Right

This not works, why ?



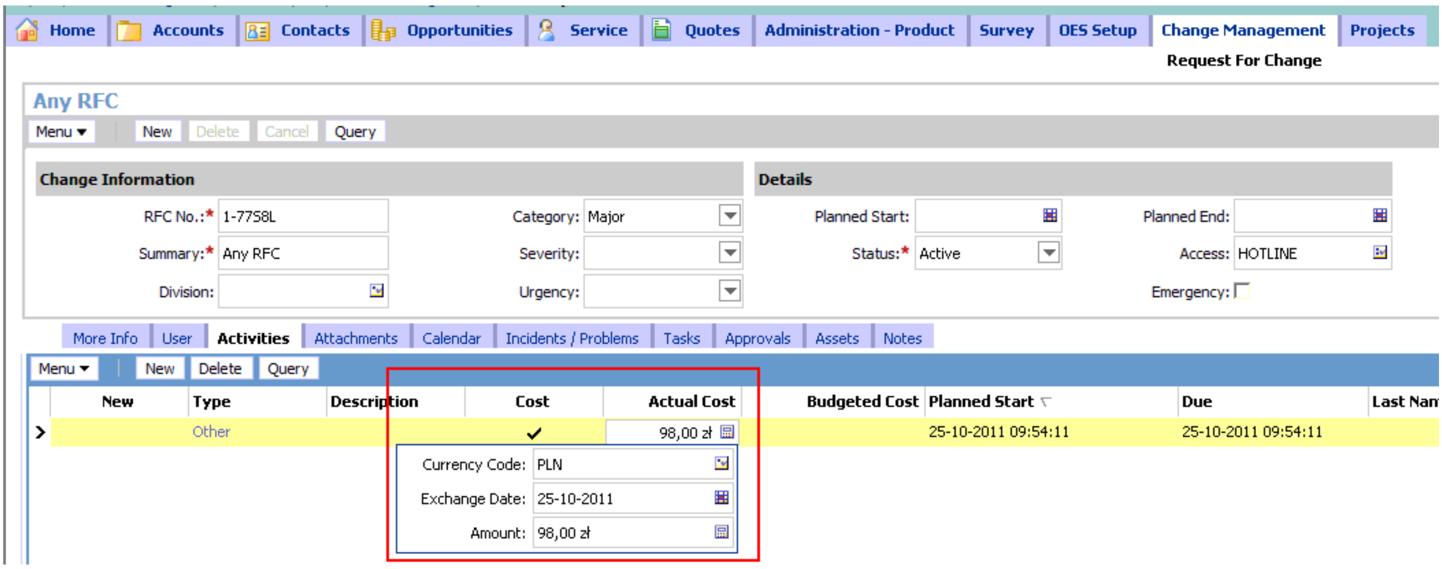
Tab order = HTML Sequence

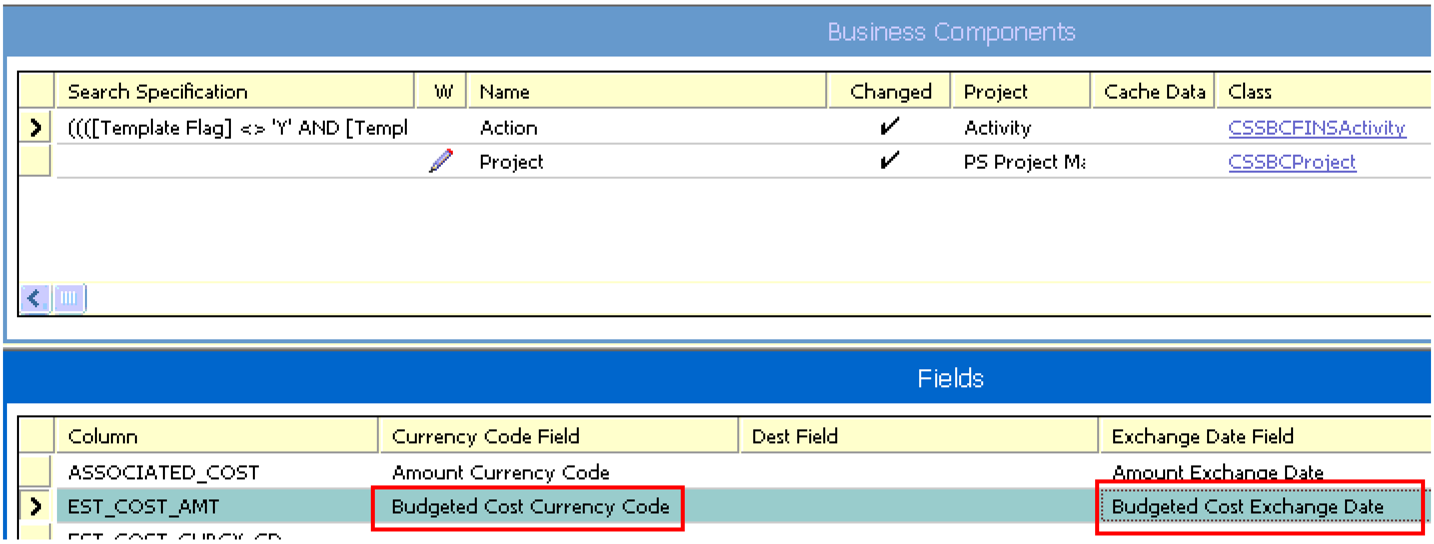
Number of rows in list applet



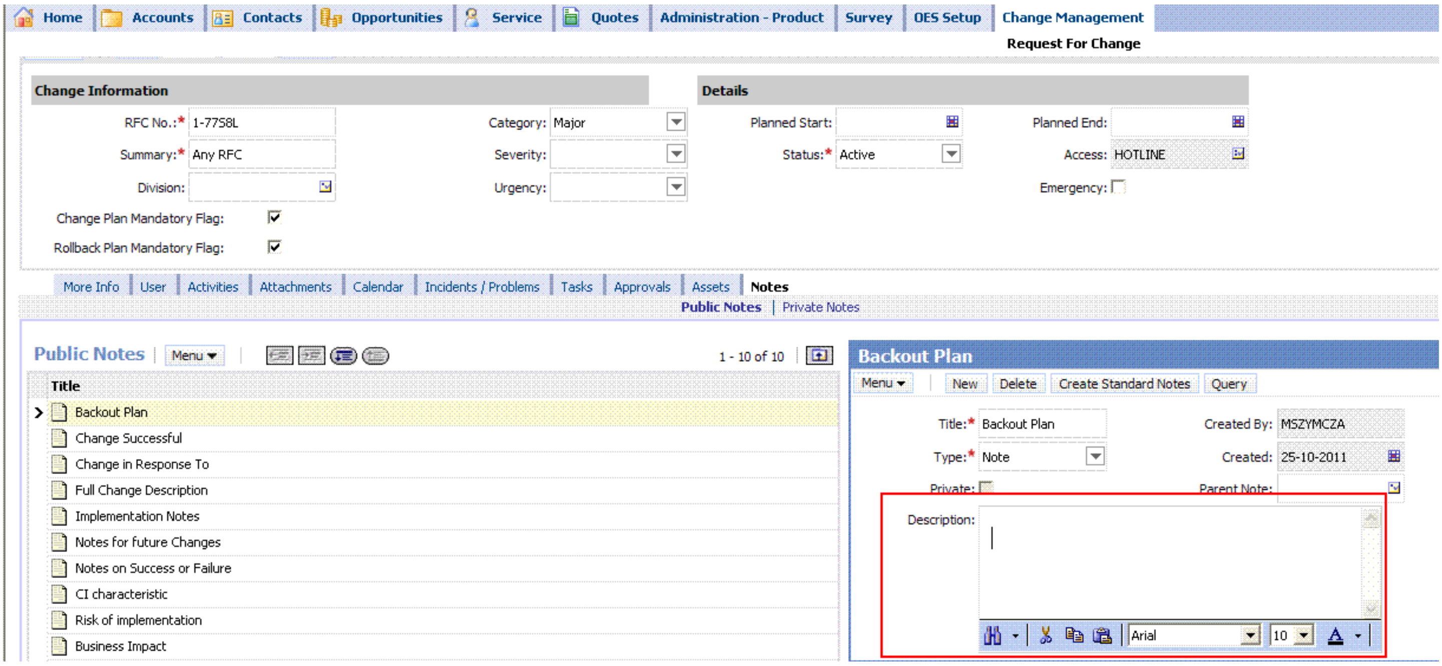
Currency field

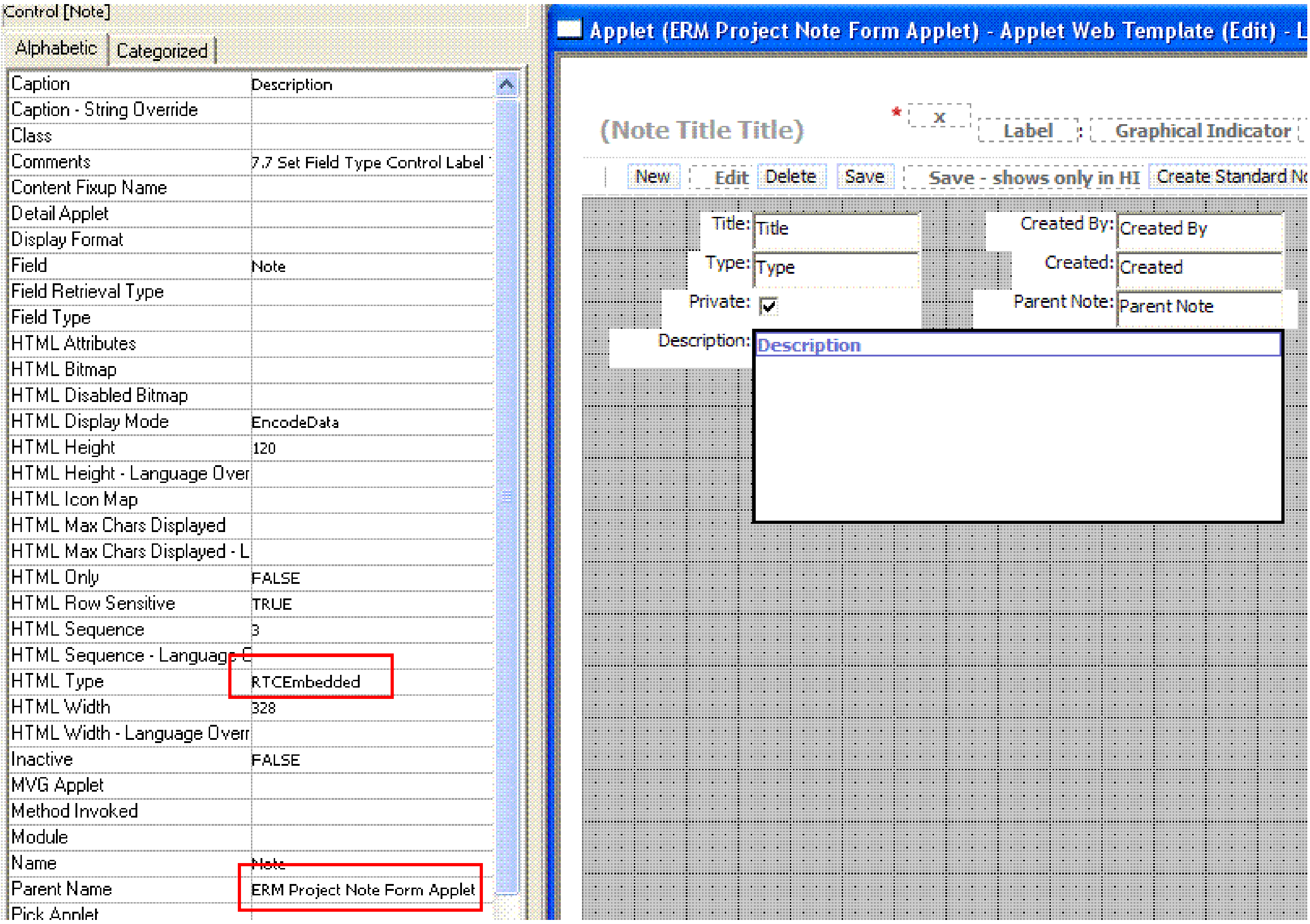
Detail applet on control, appriopriate mappings on BC level, see:





RTF Edit field





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:

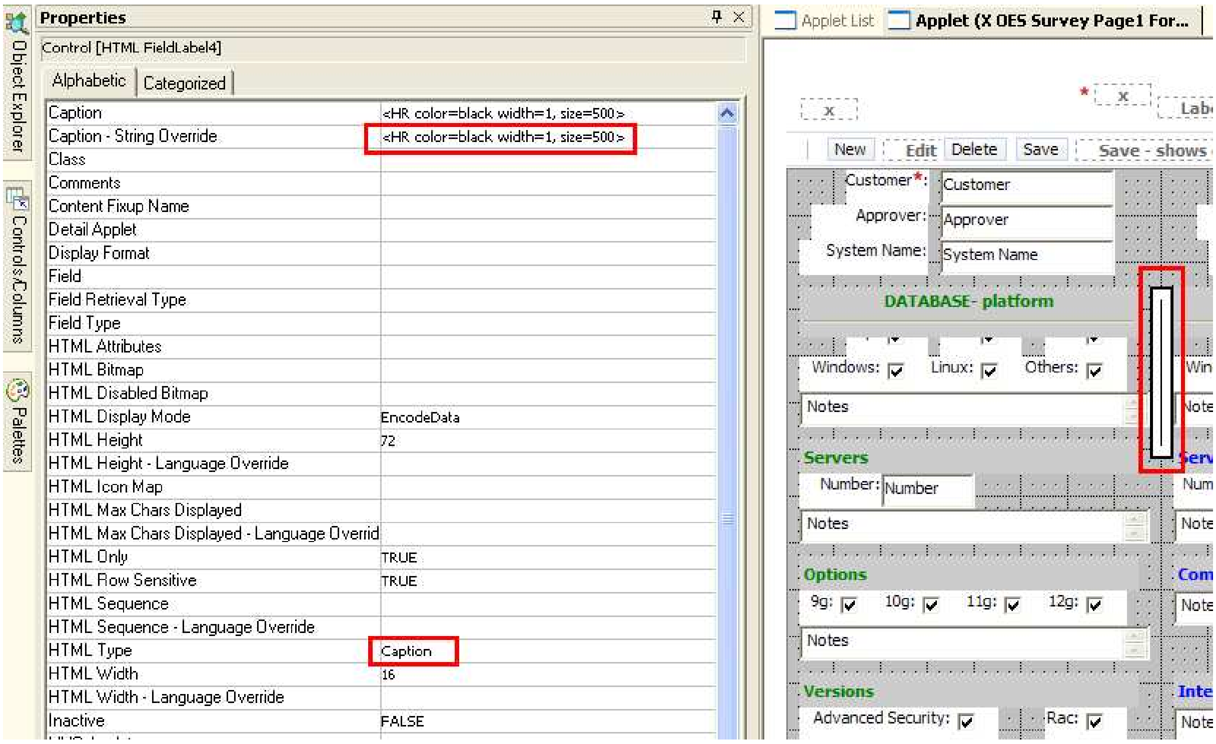
"Your Link Text"

(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

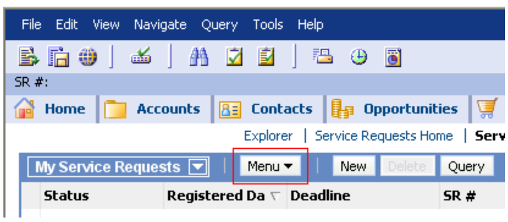
FAQ 2271: How Can You Inactivate or Suppress Applet Menu Items and Application Menu Items for an Applet?

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.

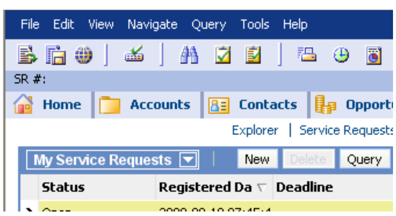
How to remove MENU Dropdown from one Applet

Idea: change appriopriate .swt file from WEBTEMPL directory and restart browser (<u>recompilation of applet is not required</u>).

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

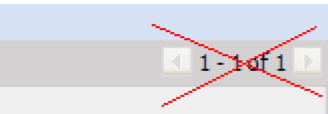
How to highlight important text in Siebel (using RTF).

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

dCCAppletForm2Col.swt

How to find appriopate *.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

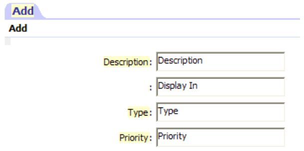
W caption wpisz:

Customer<img src="images/icon_req.gif" alt="Code Validated" border="0" space="0" hspace="0">

Hot track

Status

Link do view in label / table

Desired effect	How to do it
	" <IMG SRC='images/bullet_green.gif' align='top'> Our records indicate that you recently updated your address. Please verify that your<A href=Javascript:SWEPersonalizationGotoview('User+Profile+View+(eApps)')> user profile</A> 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

= = >

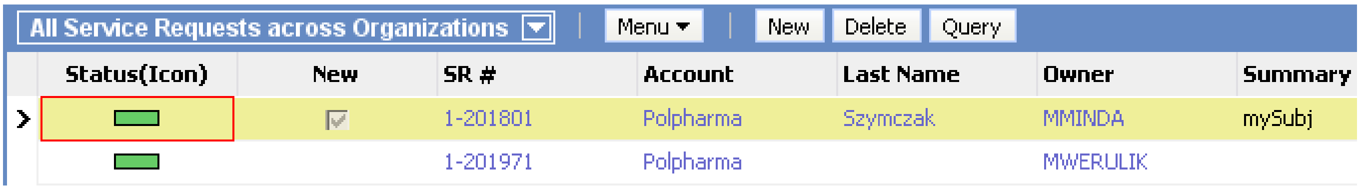
style="background-color:#ff0000;"

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

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

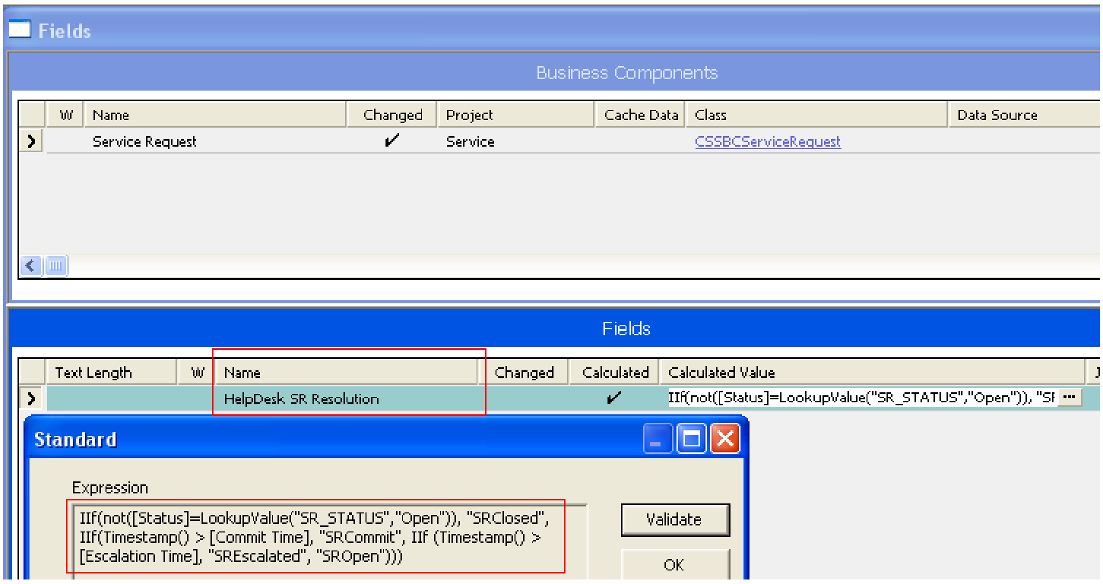
Element graficzny w liście

Pożądany efekt:

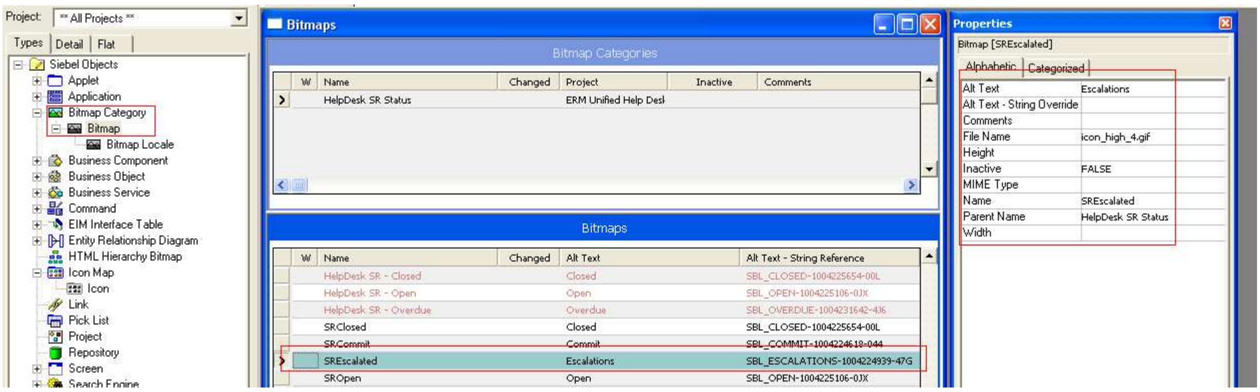


Jak to zrobić:

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



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



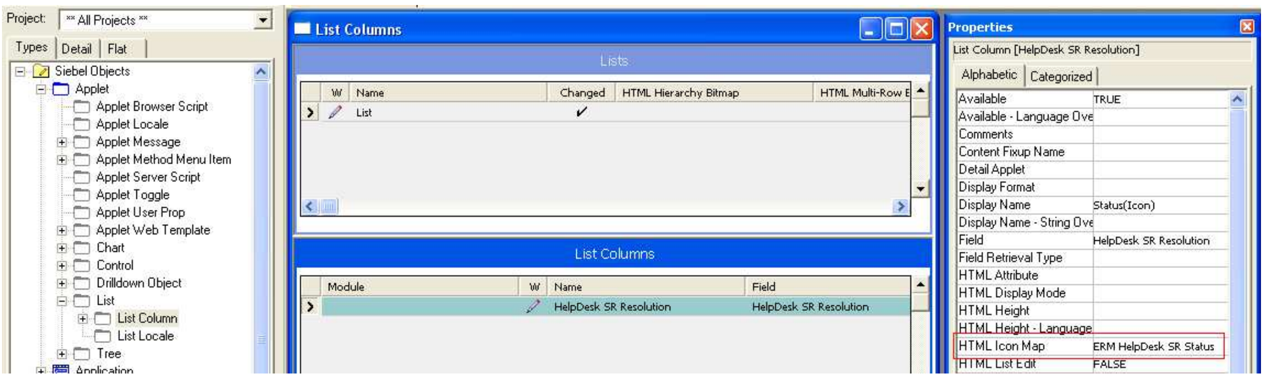
3. Utwórz Icon Map (w następnym kroku pole apletu będzie się odwoływało do icon map)

Bitmap Category = bitmap category.name

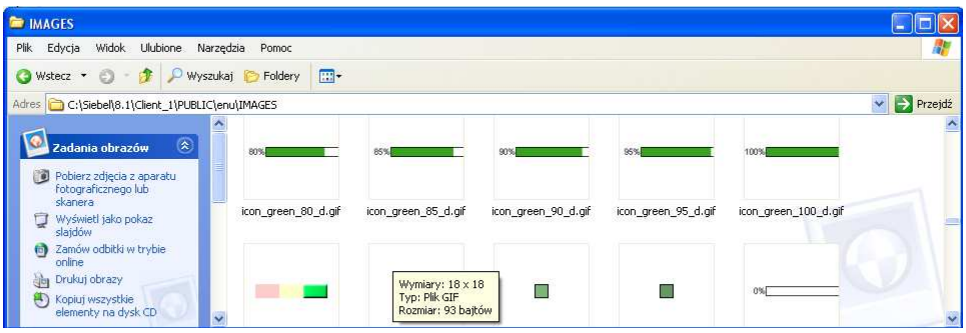
Bitmap = bitmap category.bitmap.name

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)

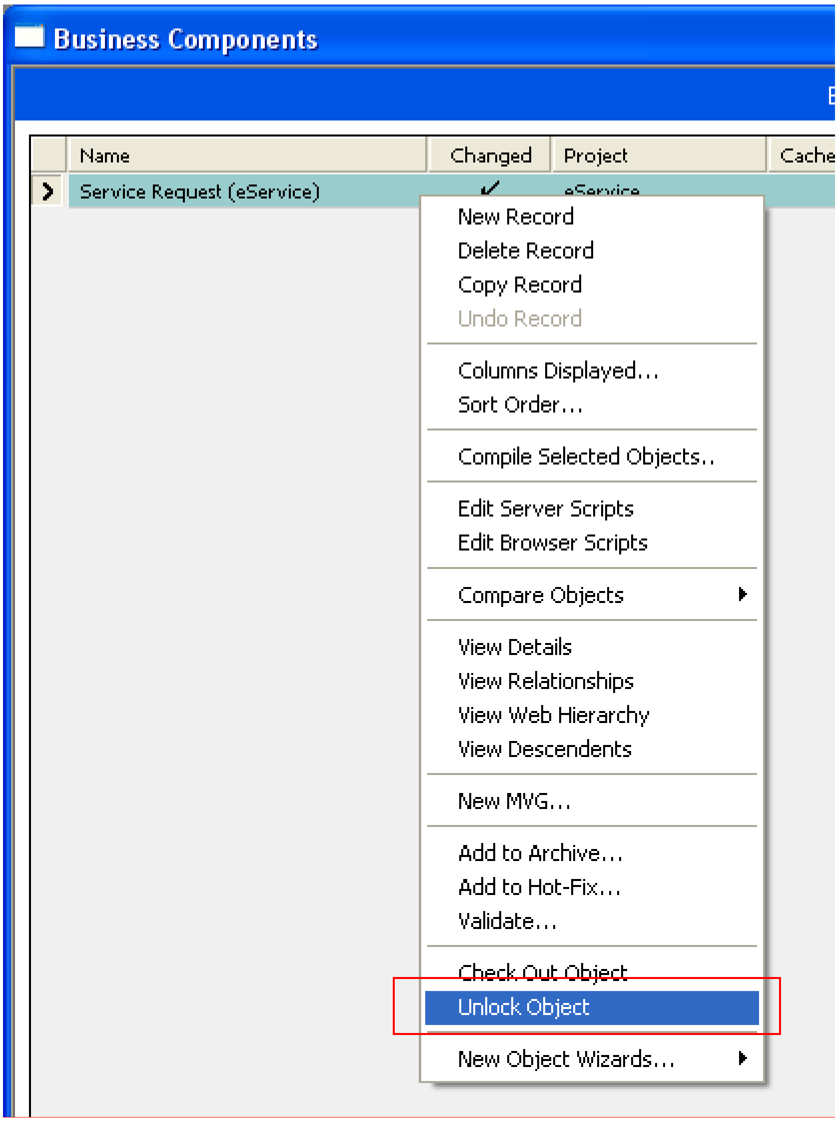


Pole tekstowe z edytorem tekstowym

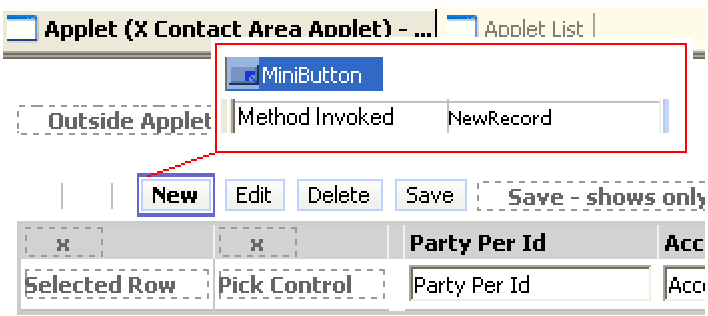
 applet.field.HTML Type = TextArea

Pole tekstowe bez edytora tekstowego

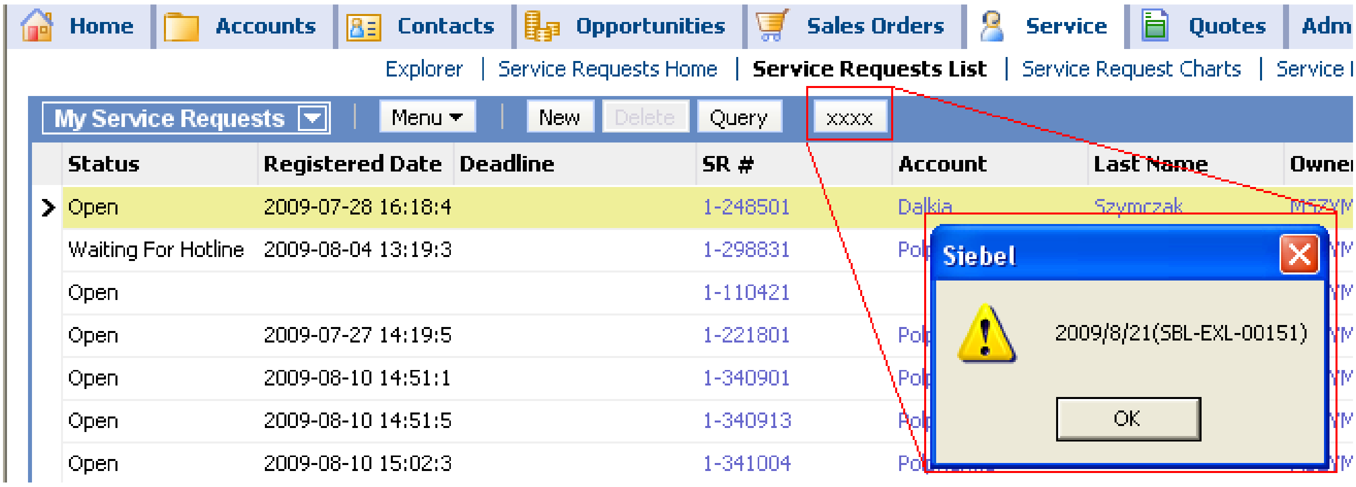
 applet.field.HTML Type = Text



New button

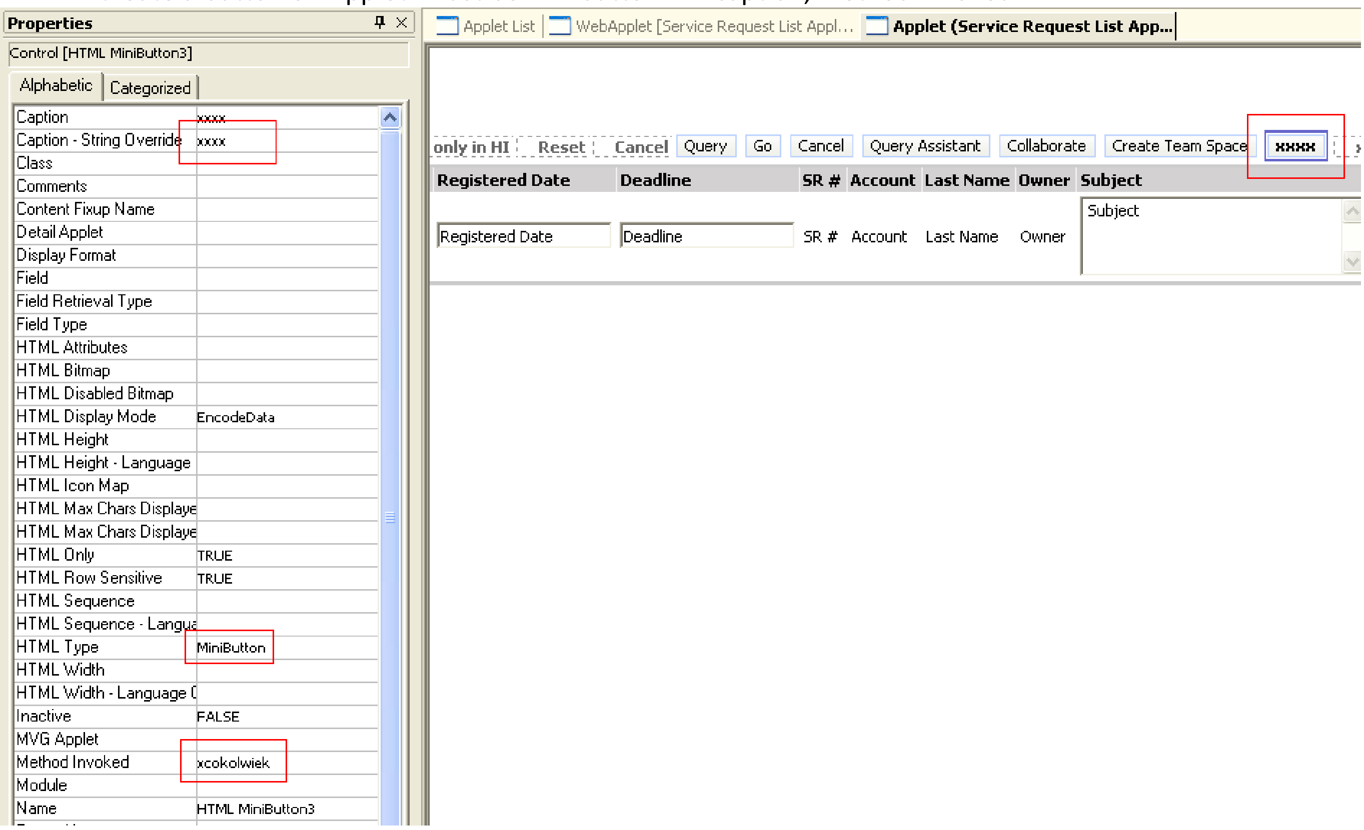


Custom button with custom method

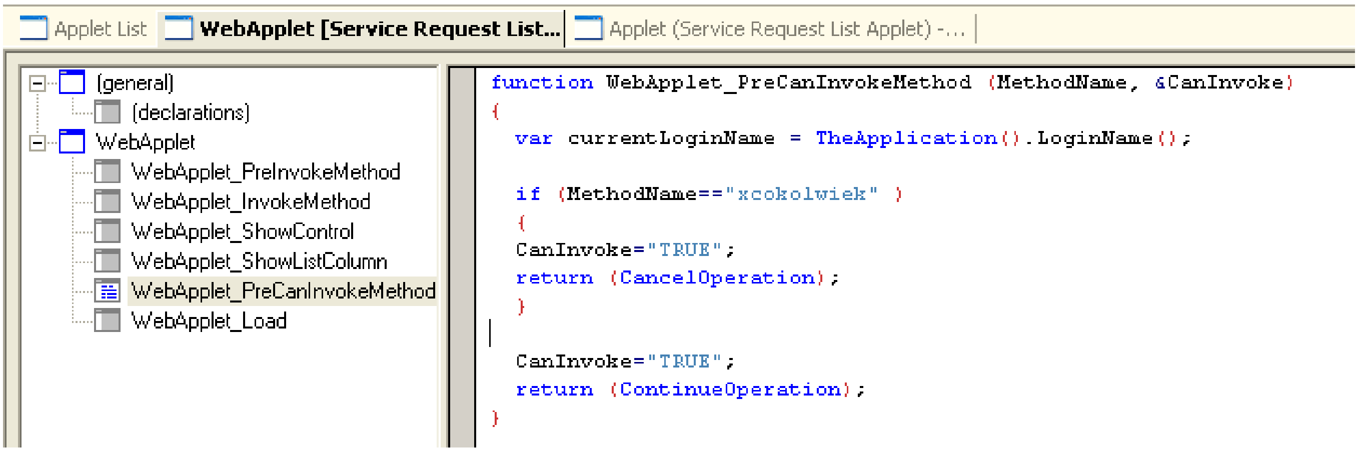


Solution:

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



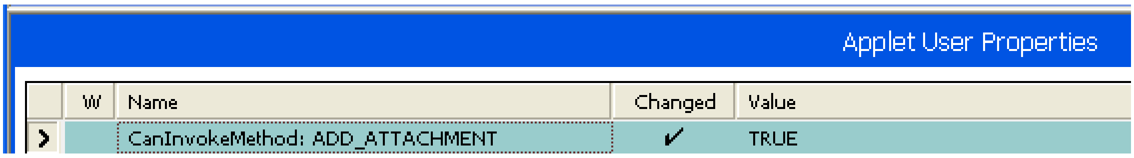
2. Enable button on Applet - preCanInvokeMethod, server script. Compile Applet.



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

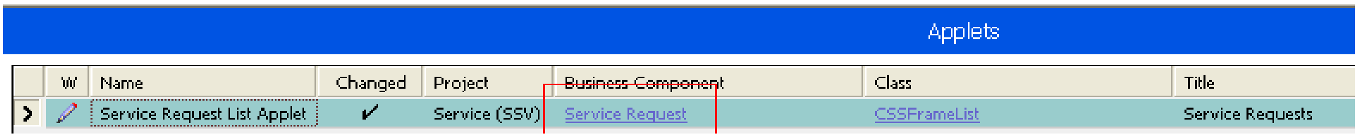
```
function WebApplet_PreCanInvokeMethod (MethodName, &CanInvoke)
{
 var currentLoginName = TheApplication().LoginName();

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

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

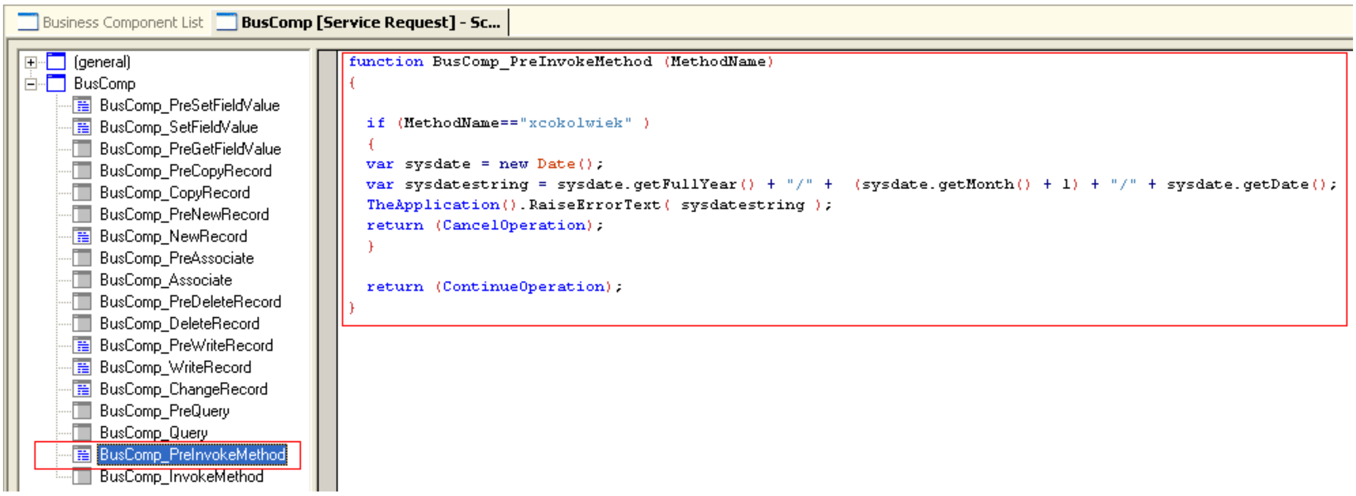
Alternativelly:



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.

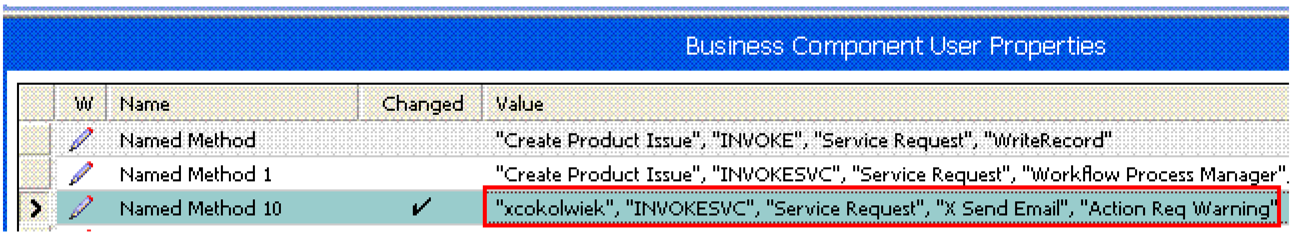
3. Go to bussiness component. Fill PreInvokeMethod - server scripts. Compile BC.





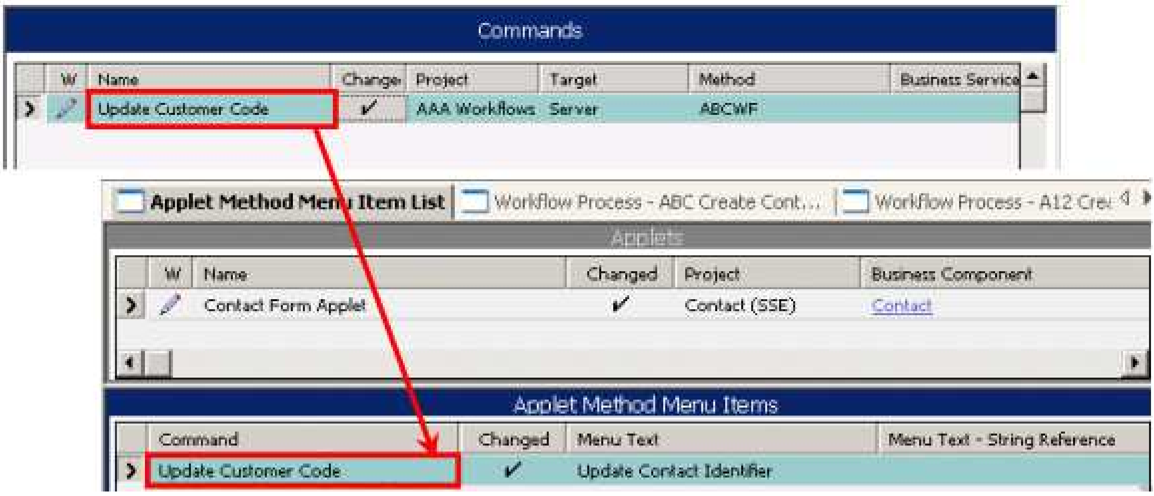

```
function BusComp_PreInvokeMethod (MethodName)
{

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

 return (ContinueOperation);
}
```

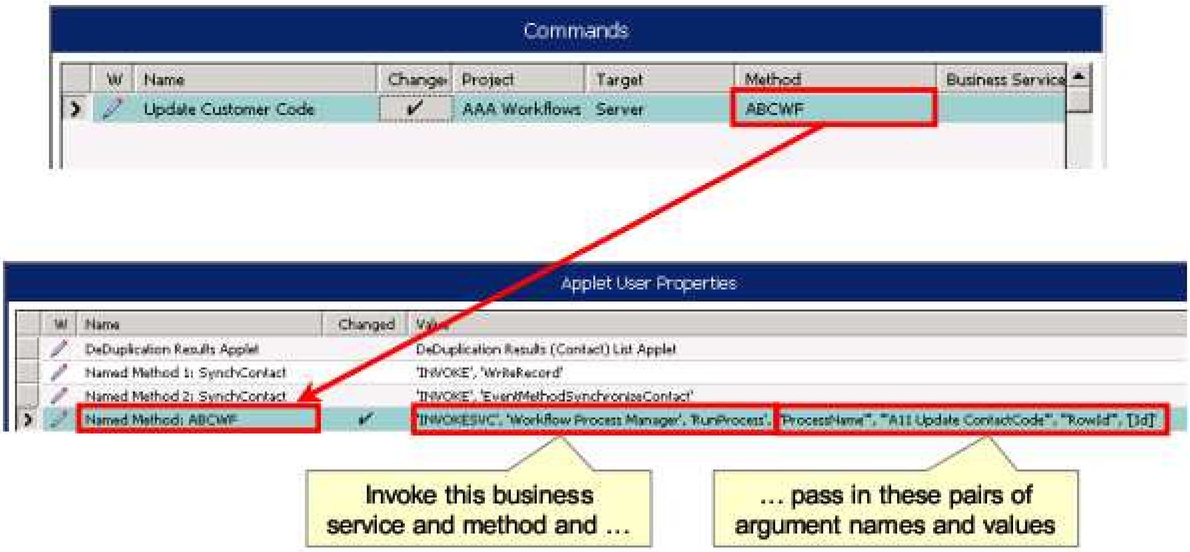
Alternativelly:



"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





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

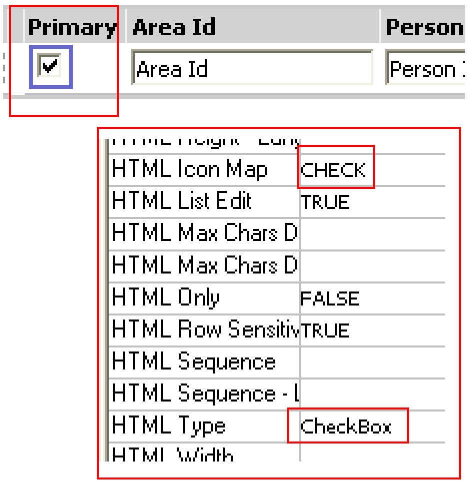
Unbound control

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

Utwórz w BC pole o typie calculated. Utwórz control w aplecie 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 applecie checkbox.

Odczytanie wartości pola checkbox z poziomu escript:

This.getFieldValue(”field name”)

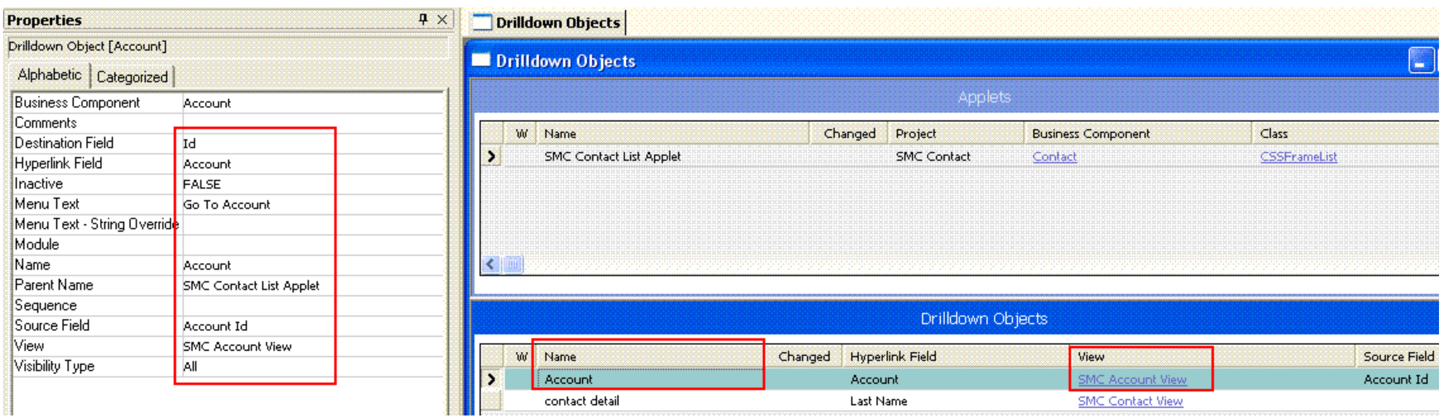
CheckBox zawsze zwraca wartości Y/N/NULL (nigdzie nie ustawia się wartości zaznaczonego, nie zaznaczonego pola. NULL w przypadku gdy checkbox nie był dotknięty)

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



2/ on Label

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.

Bussines Component	→ PickList	→ BC.Field.PickList
		→BC.Field.Pick Map
		↓
	→ PickApplet	→ applet.control.pickapplet

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.

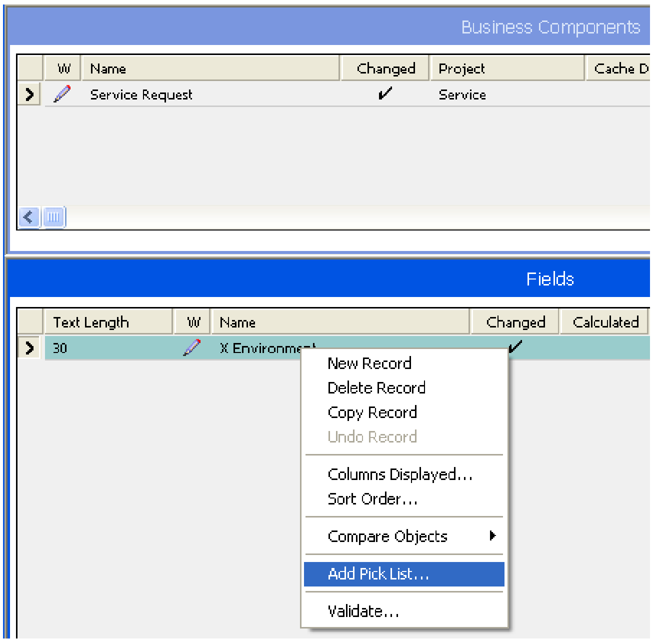
3/ Applet.Field. ~MVG- lista do wyboru wielu wartości (składa się z dwóch apletów)- szczegółowy opis dalej

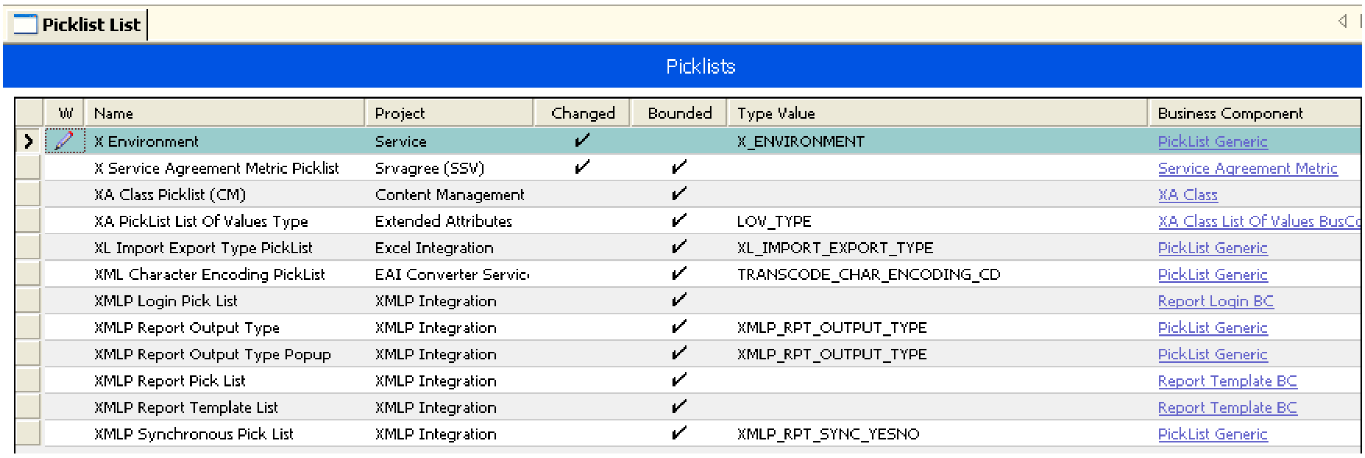
Zwróć uwagę, że

- 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.





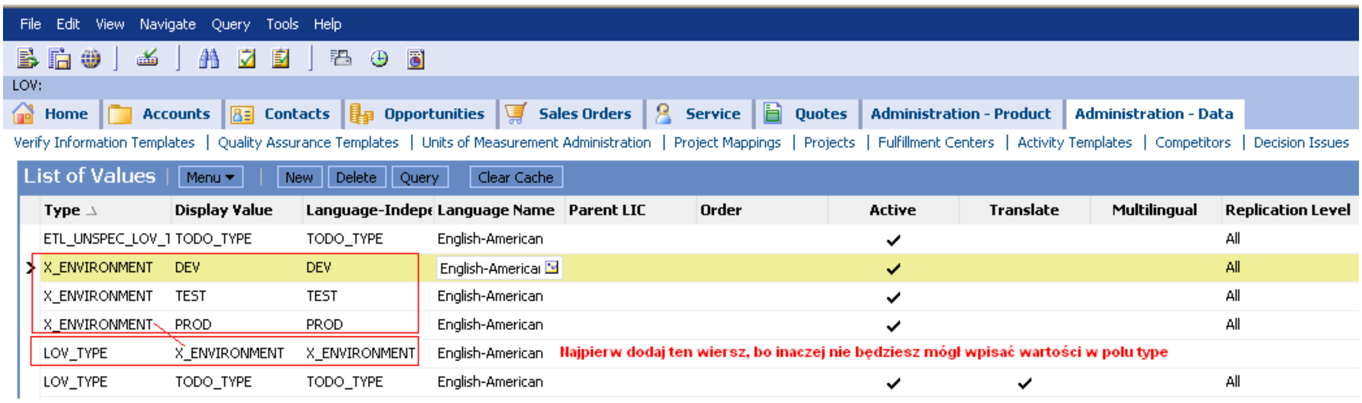
W	Name	Project	Changed	Bounded	Type Value	Business Component
	X Environment	Service	✔		X_ENVIRONMENT	PickList Generic
	X Service Agreement Metric Picklist	Srvagree (SSV)	✔	✔		Service Agreement Metric
	XA Class Picklist (CM)	Content Management		✔		XA Class
	XA PickList List Of Values Type	Extended Attributes		✔	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 Servic		✔	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 pickappletu)
        - Czasami wartości na liście nie pojawiają się, bo muszą pobyć podpięte do elementu „general" (par_row_id = row_id) – włącz SQL trace żeby zdiagnozować problem.

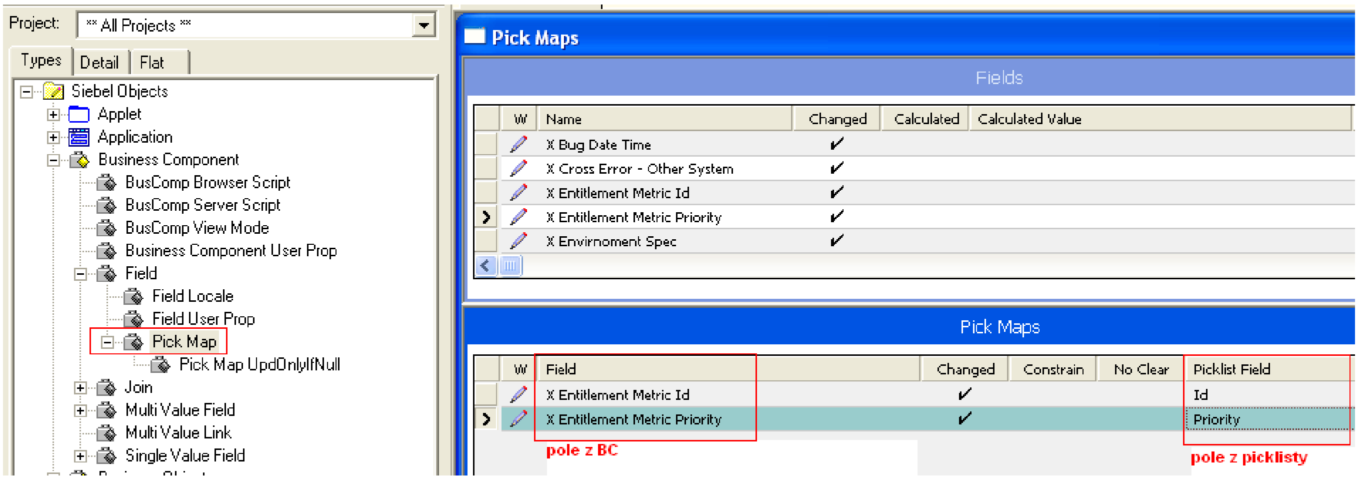


Wykonaj mapowania np.

tenBC.Field := FieldA z picklisty

tenBC.Field_id := FieldB z picklisty

itd.



Dynamiczna picklista

Ogranicz parent za pomocą pola wyliczanego z BC

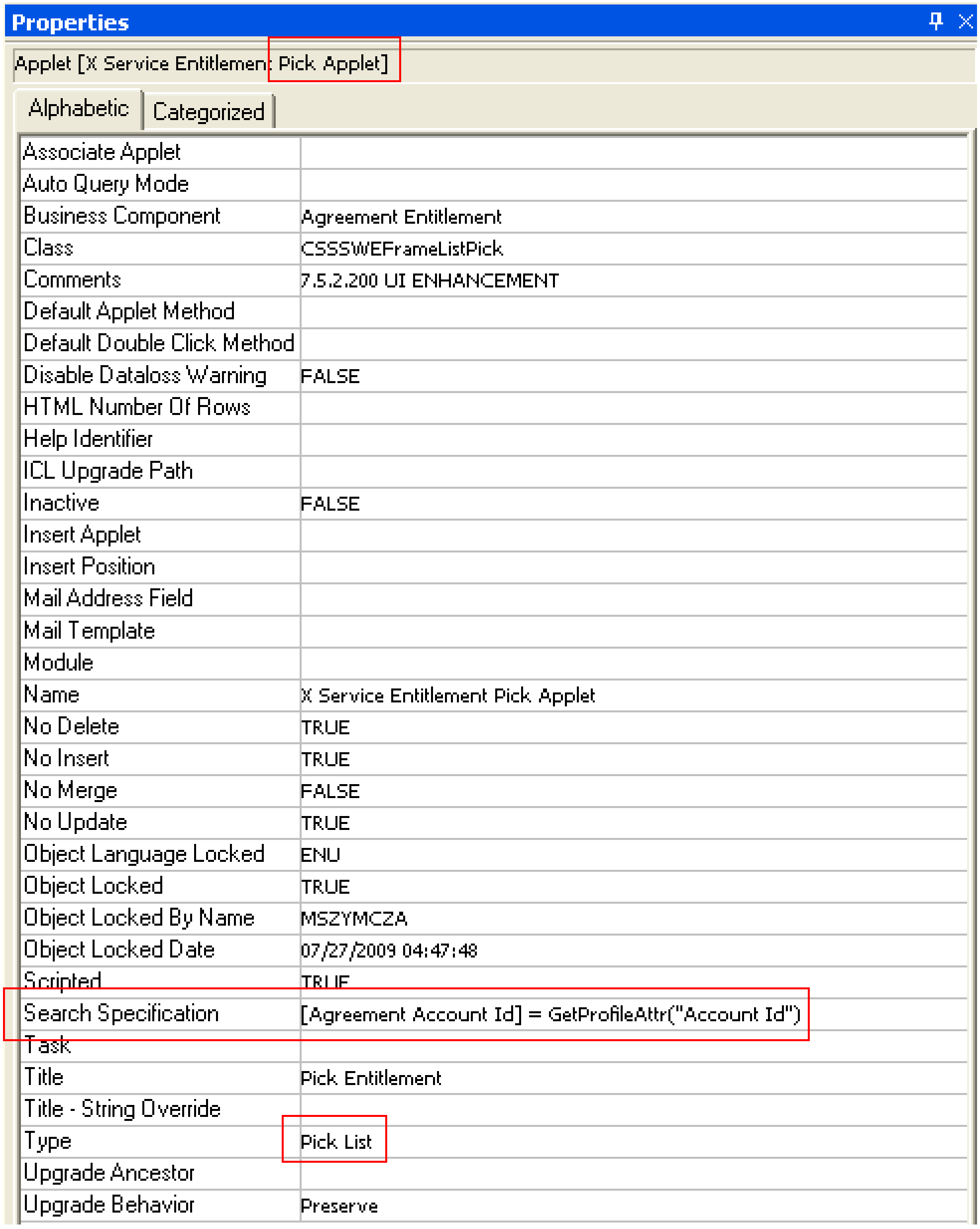
Dynamiczna applet lista

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")



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 otworzyć 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

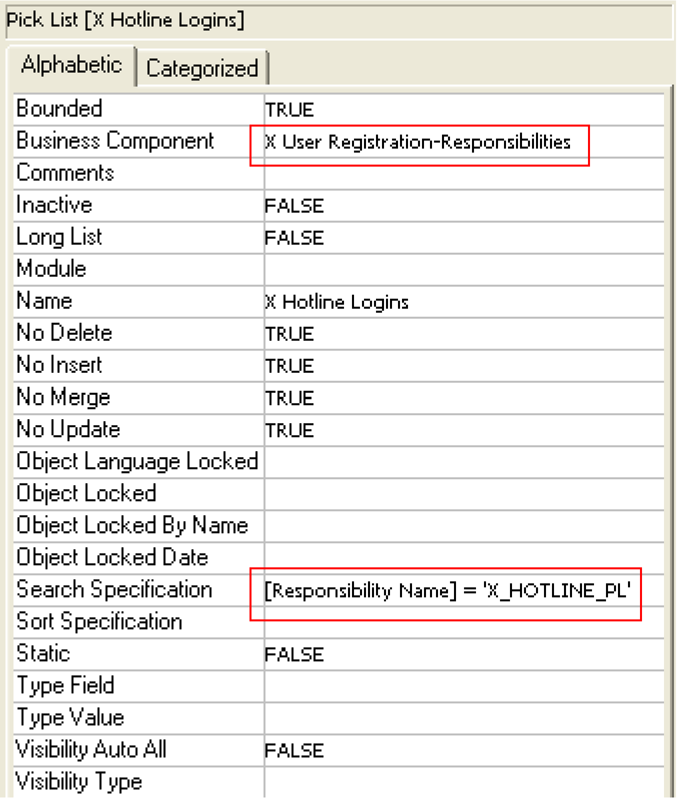
W	Name	Changed	Destination Column	Inactive	Source Field
	Responsibility Id	✔	ROW_ID		Responsibility Id

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]

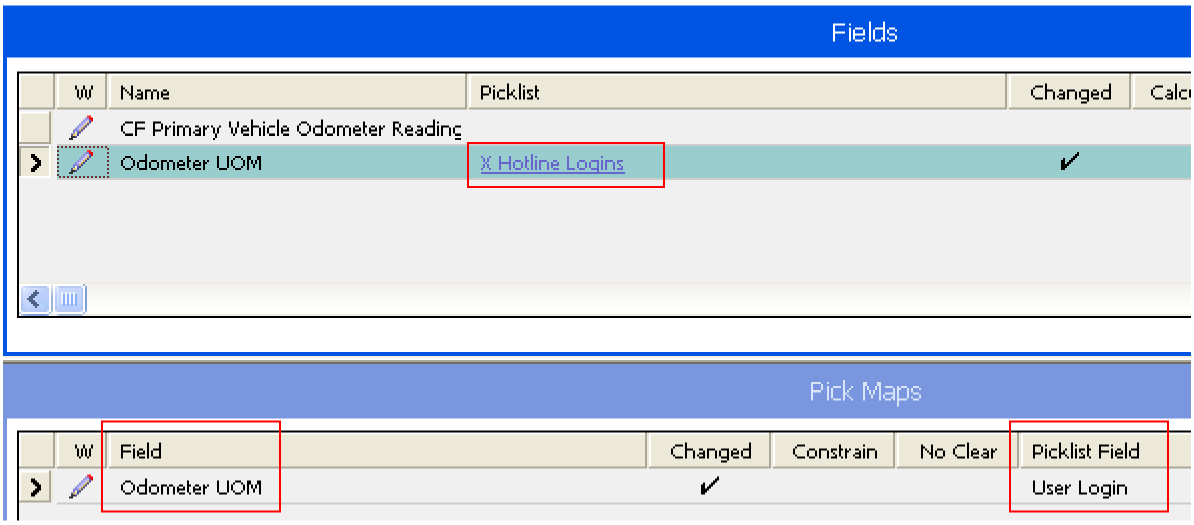
Alphabetic | Categorized

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

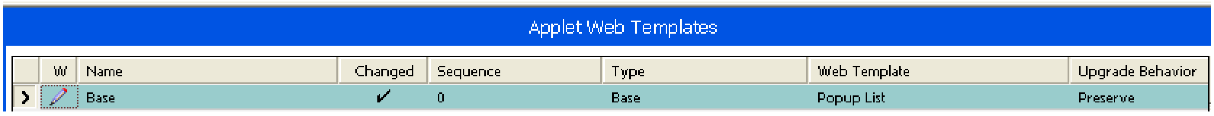
W	Field	Changed	Constrain	No Clear	Picklist Field
	Odometer UOM	✓			User Login

Create picklist (*list of values* screen)

Create picklist In tools

Create pickapplet

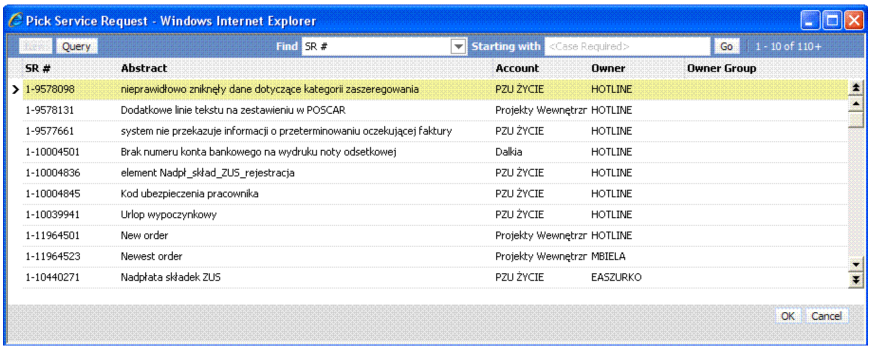
Selected web template is important



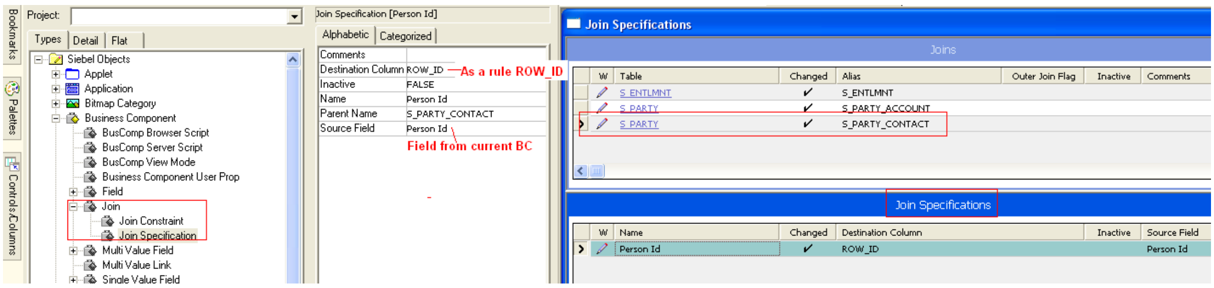
Need to know more about “Configuring Visibility of Pop-Up and Pick Applets” ?

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

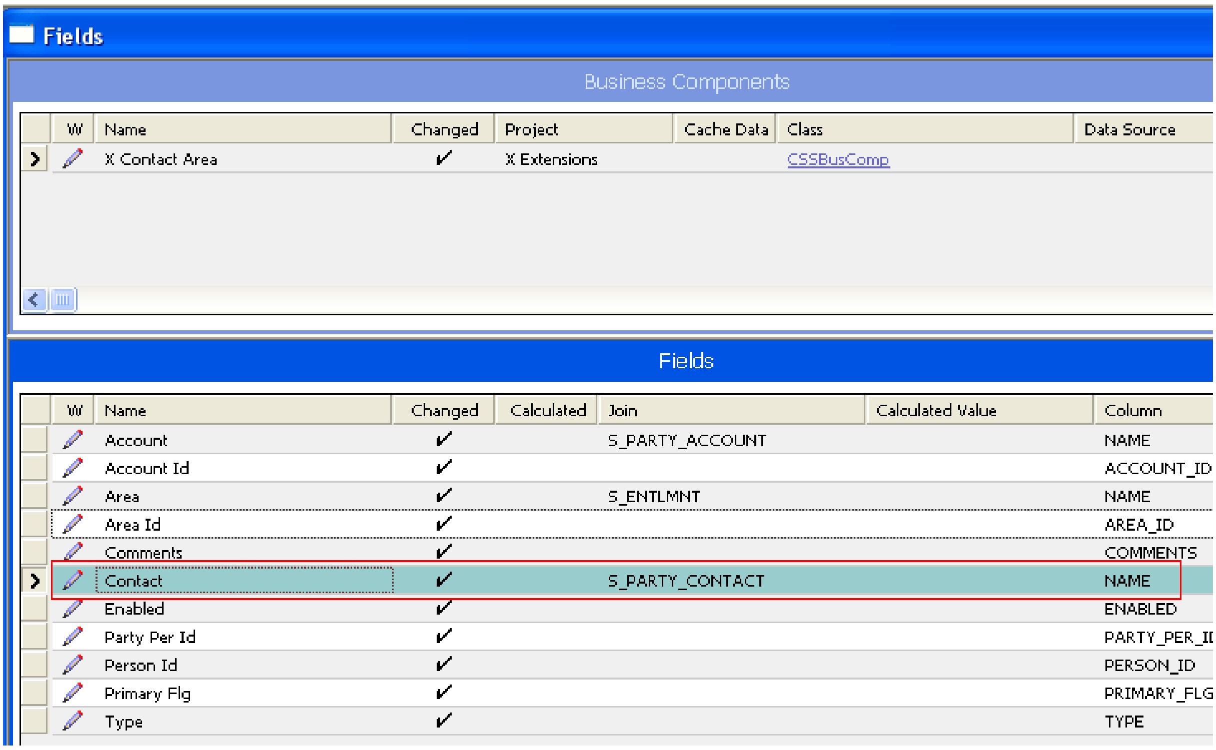
Pick applet with query button example : Service Request Pick Applet



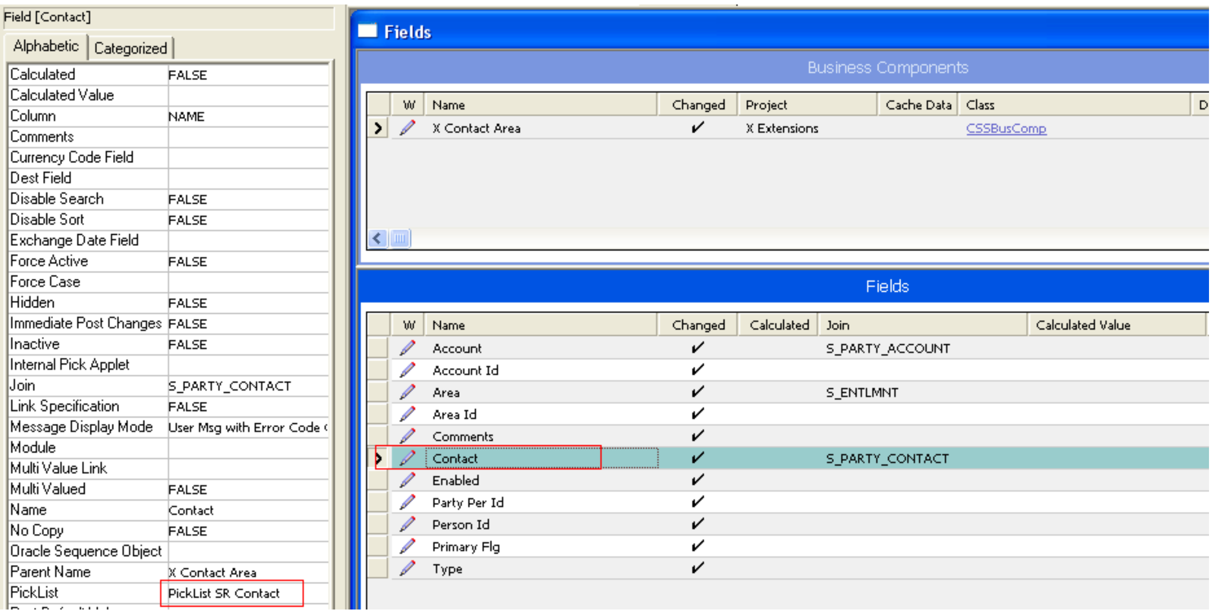
Create join



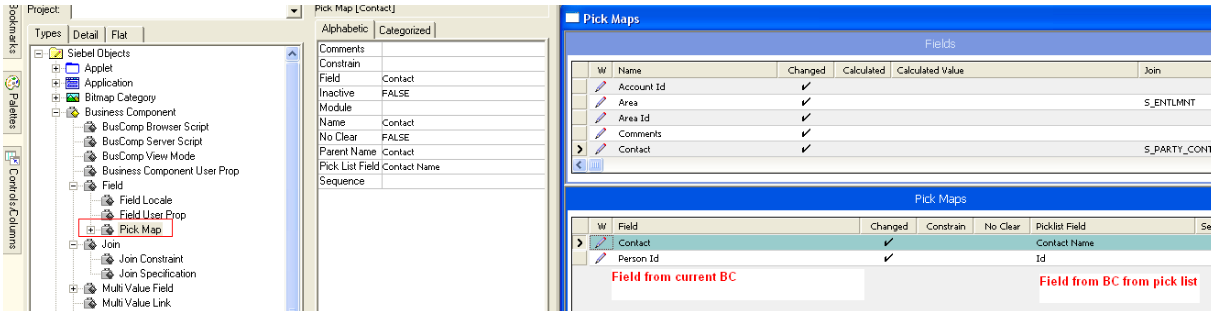
Create Display Field



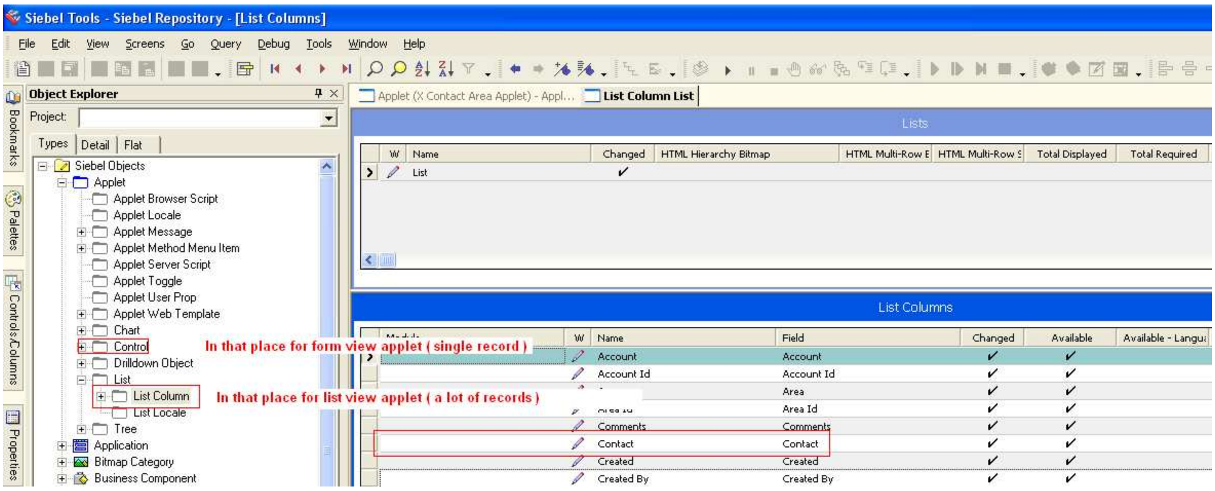
Assign PickList



Create a PickMap



Create field In Applet



Set applet.control „Runtime”=true

Set applet.control „required”

Set applet.pickapplet

This is optional step.

If not pick applet => combo box will appear.

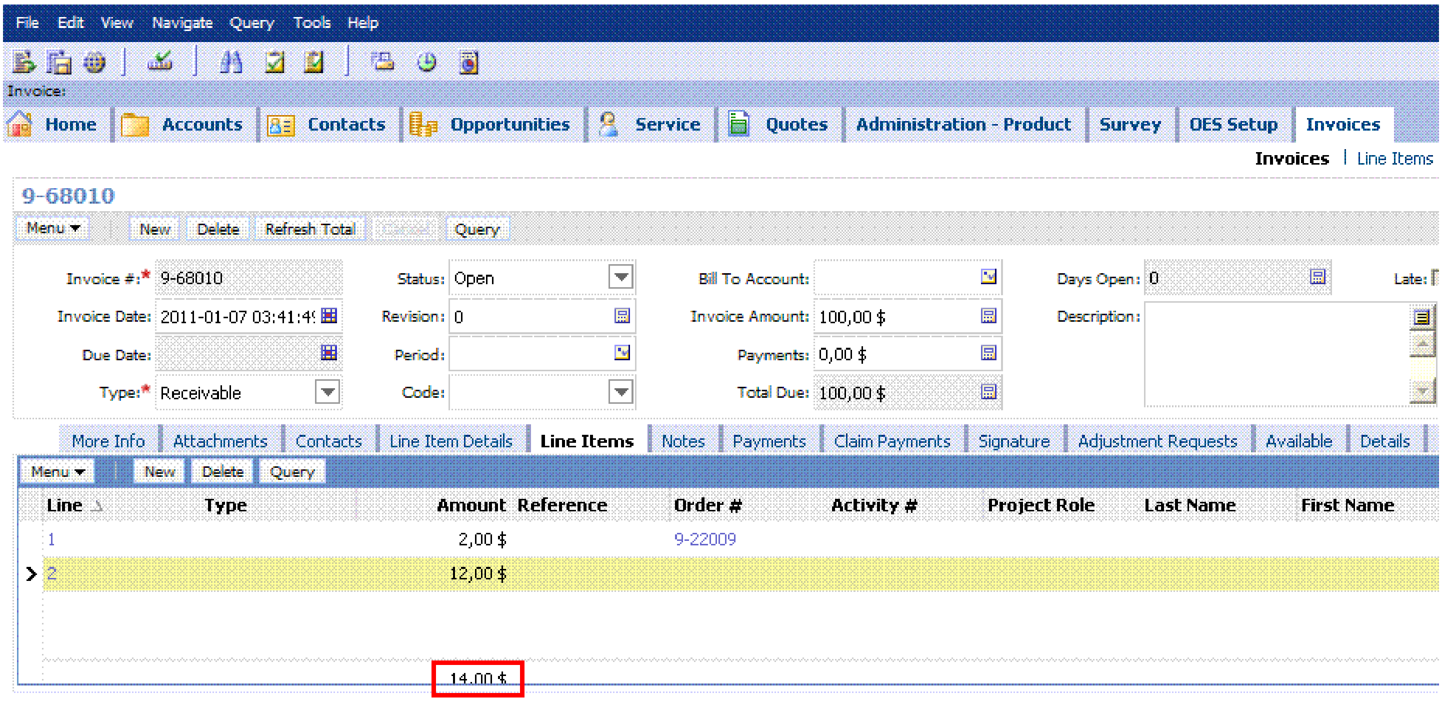
If pickapplet => popup view icon will appear

MVG

Siebel.mvg.doc

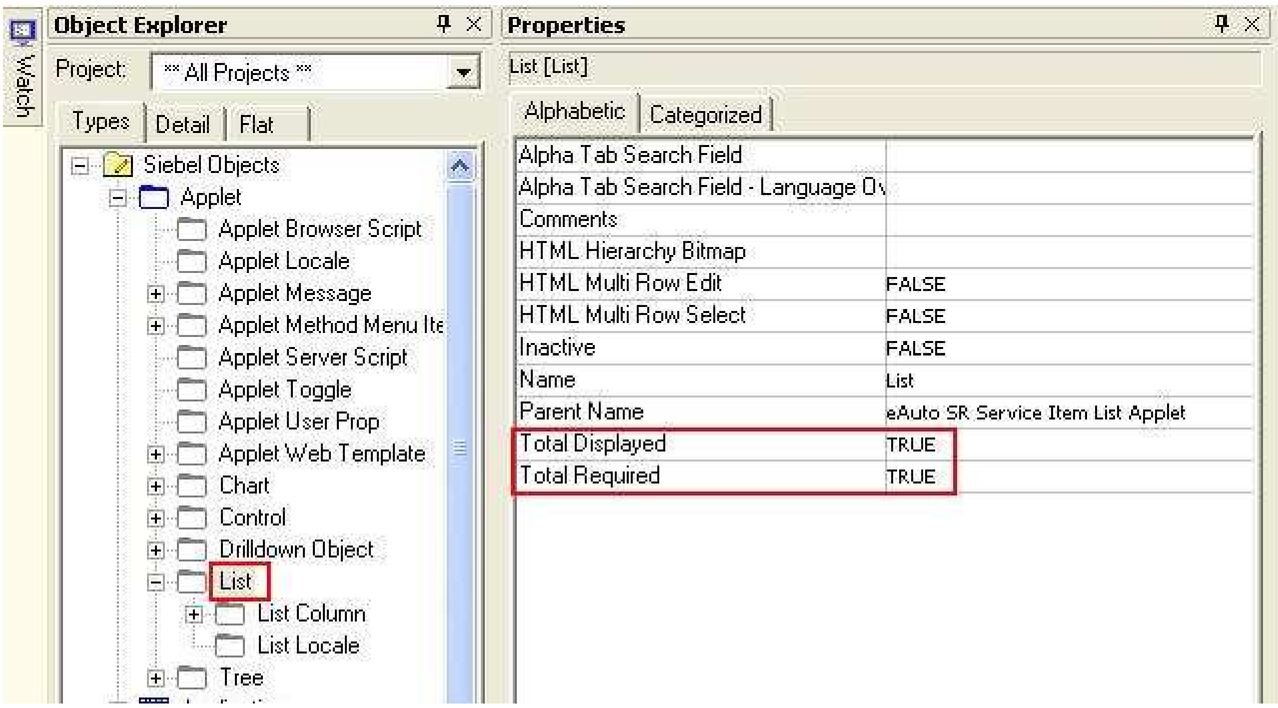
List view with totals (summaries, summary)

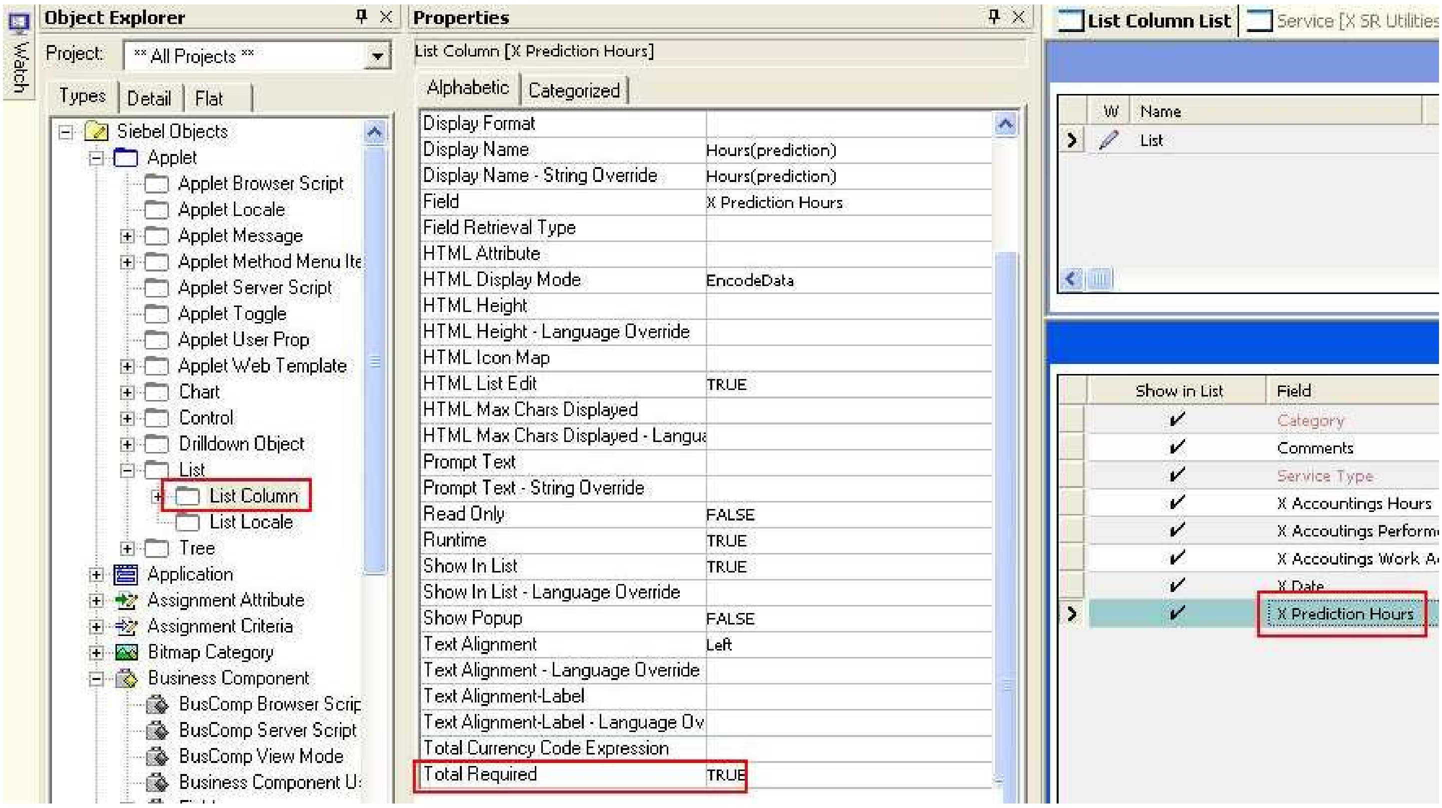
Desired effect



How to do it

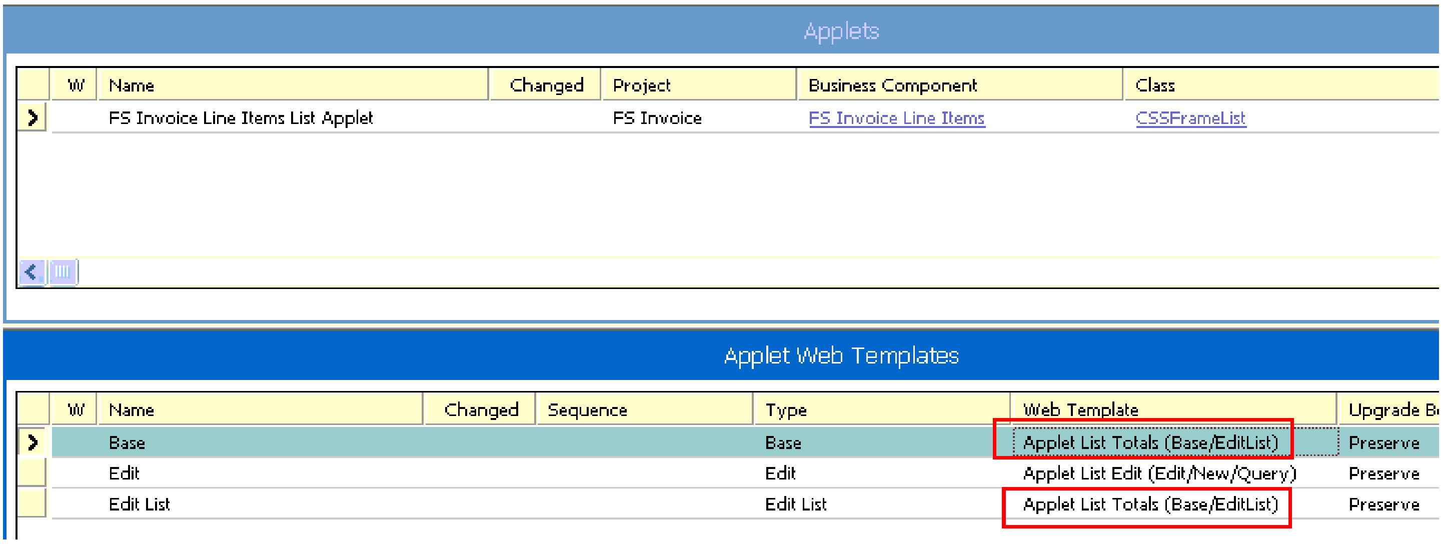
Way 1. Set following properties to TRUE:

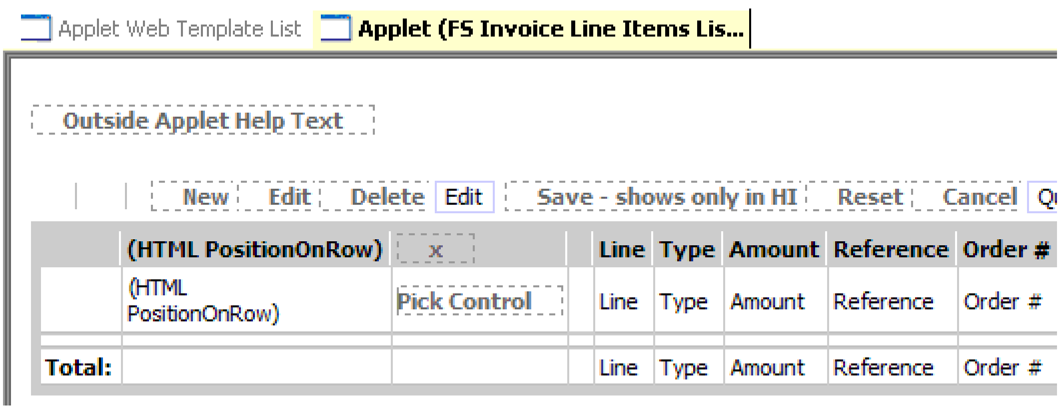




Source: http://siebelunleashed.com/showing-totals-siebel-list-applet/

Way 2. Just use apriopriate 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

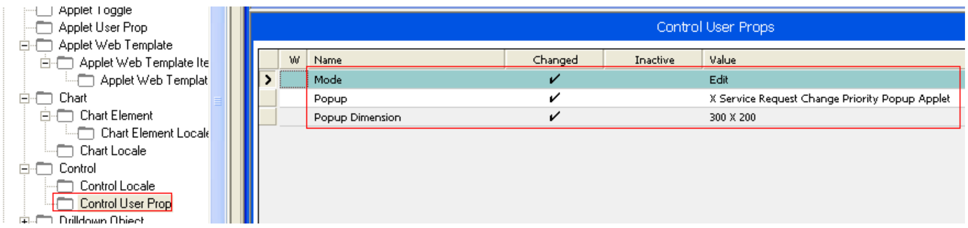
2/ Utwórz miniButton

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

Utwórz user properties

Name="Popup" Value = nazwa appletu do pokazania

Name="Mode" Value = tryb apletu 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 <u>Server</u> Script

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

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

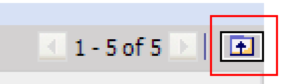
Wady popup applet:

1/ można go zamknąć krzyżykiem – nie można wtedy wykonać żadnego kodu

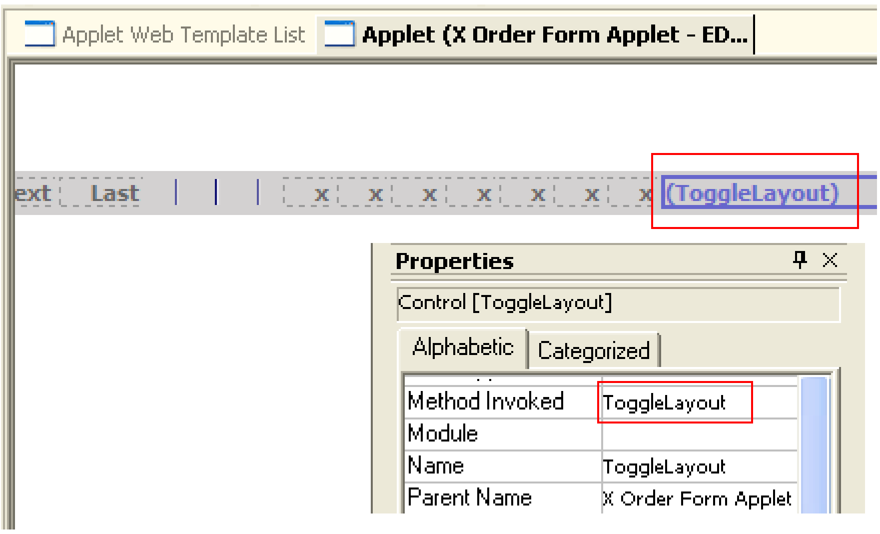
2/ czasem jego rozmiar zwiększa się o kilka znaków w pionie po każdym otwarciu

3/ bazowy applet nie jest automatycznie odświeżany (jeżeli były zmiany)

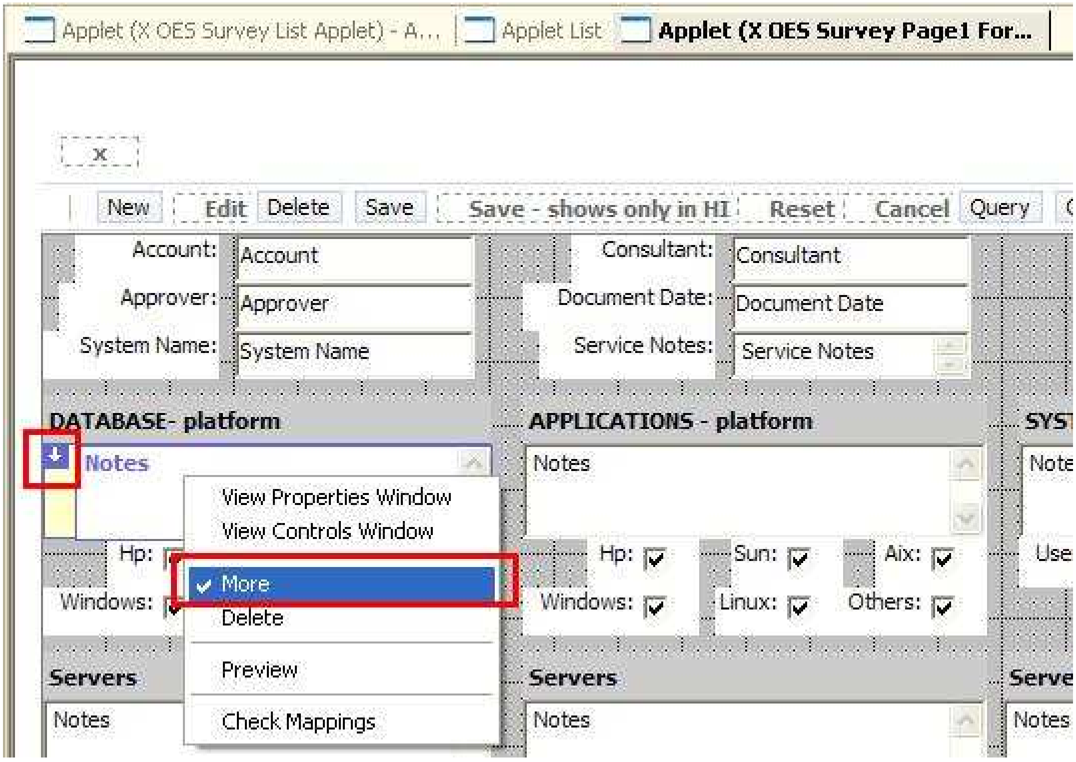
Show more/show less button na aplecie



=>



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

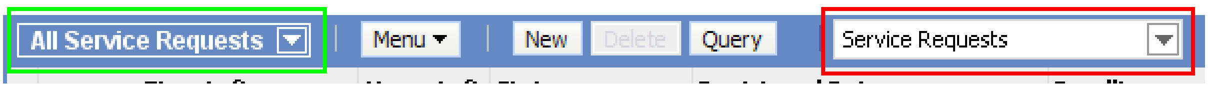


Toggle Applets

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

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

Zwróć uwagę, że lista do wybierania apletu z listy (statyczny toogle 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 niektórych autoryzacji) użyj zielonej listy wartości (czyli zbuduj aggregate view, podepnij pod screen i podepnij view pod responsibility)



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

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

Poniżej skopiowałem artykuł na temat dynamic toogle applets:

http://siebelunleashed.com/wp-content/uploads/2009/06/Dynamic_Toggle_Customer_Applet.pngIn 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 basehttp://siebelunleashed.com/wp-content/uploads/2009/06/Dynamic_Toggle_hotel_Web_layout.pngd 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 Info*

	W	Name
>		Customer Name
		Hotel Name

- Expose Customer Info field in Account Note Applet Toggle 1

x	Customer Info
Pick Control	Customer Info

- Expose Hotel Info field in Account Note Applet Toggle 2

x	Hotel Info
Pick Control	Hotel Info

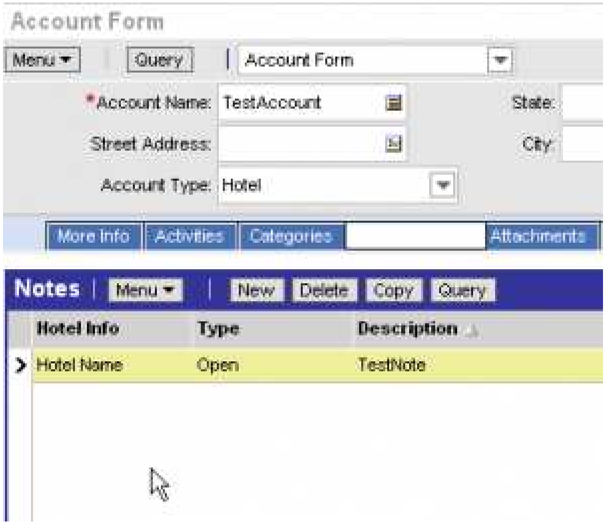
Now our basic configuration is done. Let's configure the Dynamic Toggle.

- 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

Applet Toggles

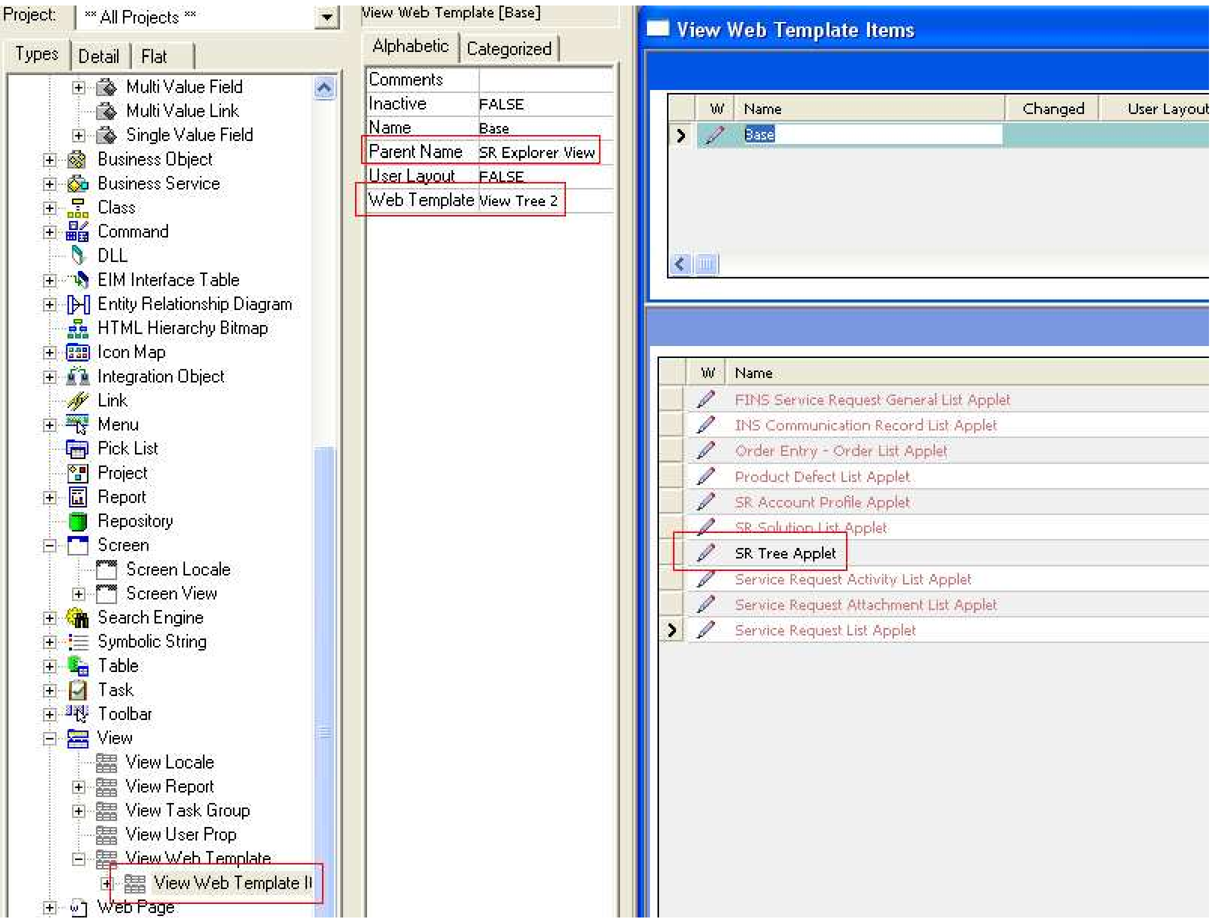
	W	Applet	Changed	Auto Toggle Field	Auto Toggle Value
>		Account Note Applet Toggle 1	✔	Account Type	Customer
		Account Note Applet Toggle 2	✔	Account Type	Hotel

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

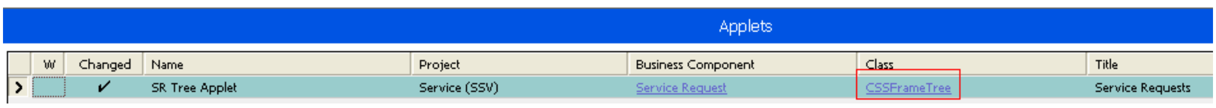


Tree view applet

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).

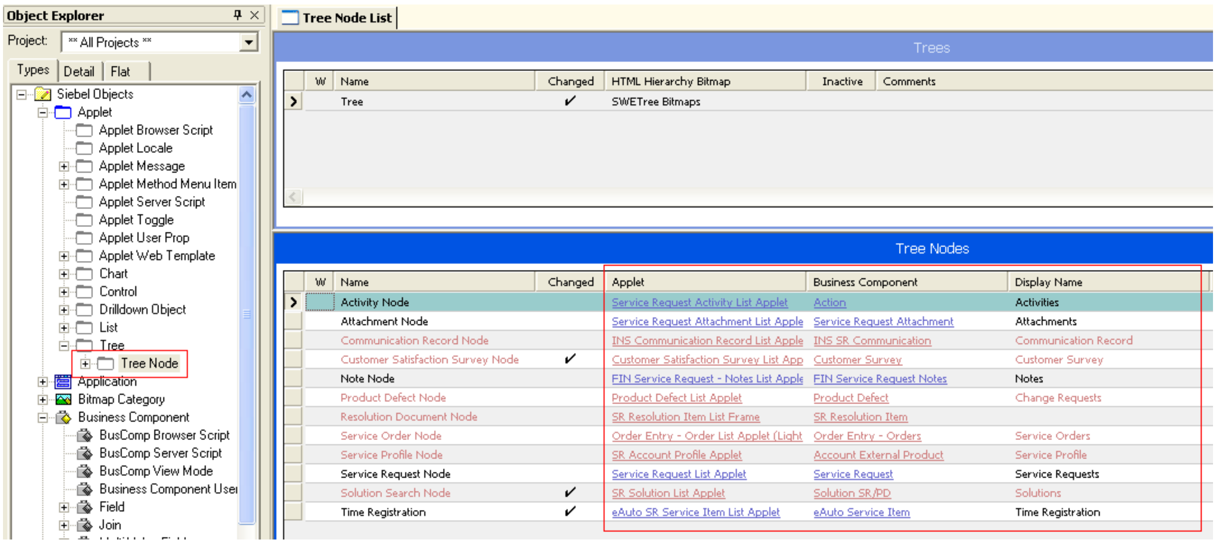


Utwórz applet, musi mieć odpowiedni class i business component.



Zdefiniuj gałęzie drzewa. Każda gałąź ma skojarzony applet, bussines component (nie wiem po co, skoro BC wynika z apletu, 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. Dzieki temu system wie jak wyświetlać rekordy. Nie trzeba definiować żadnych innych powiązań.



Browser scripts (javascripts)

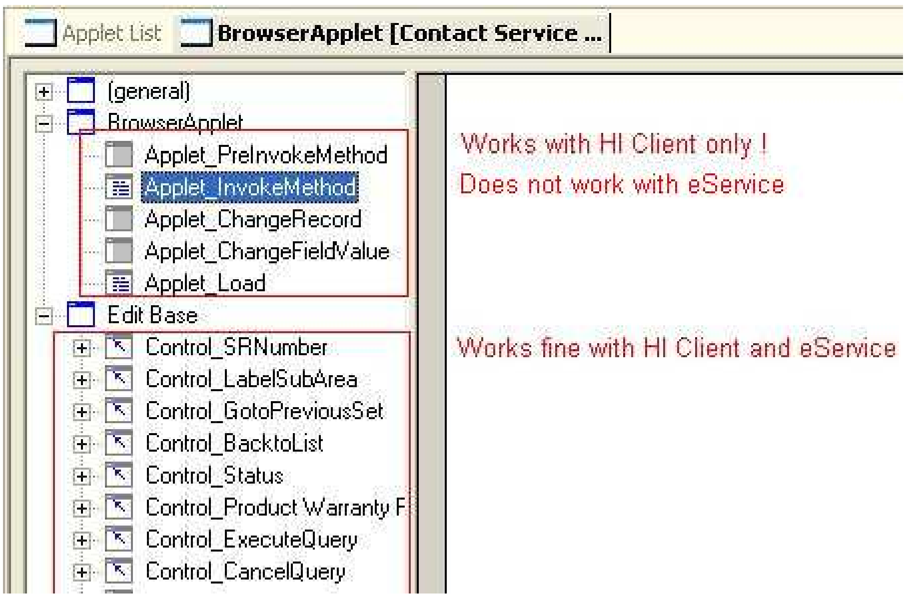
Browser script to kod napisany w java script (nie można używać VB) interpretowany przez przeglądarkę (nie przez serwer).

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

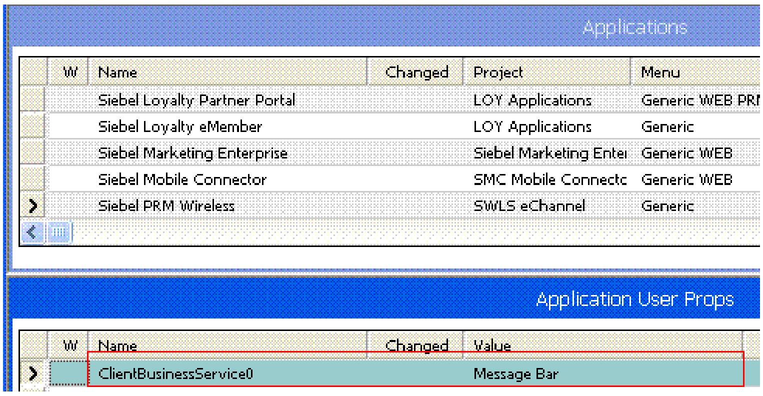
Ważne: jeżeli we właściwościach browser script zaznaczymy "need high interactivity"=true, można korzystać z obiektów Siebel, takich jak this., TheApplication(). Oczywiście funkcjonalność ta nie jest dostępna gdy High Activity Framework nie jest dostępny.

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



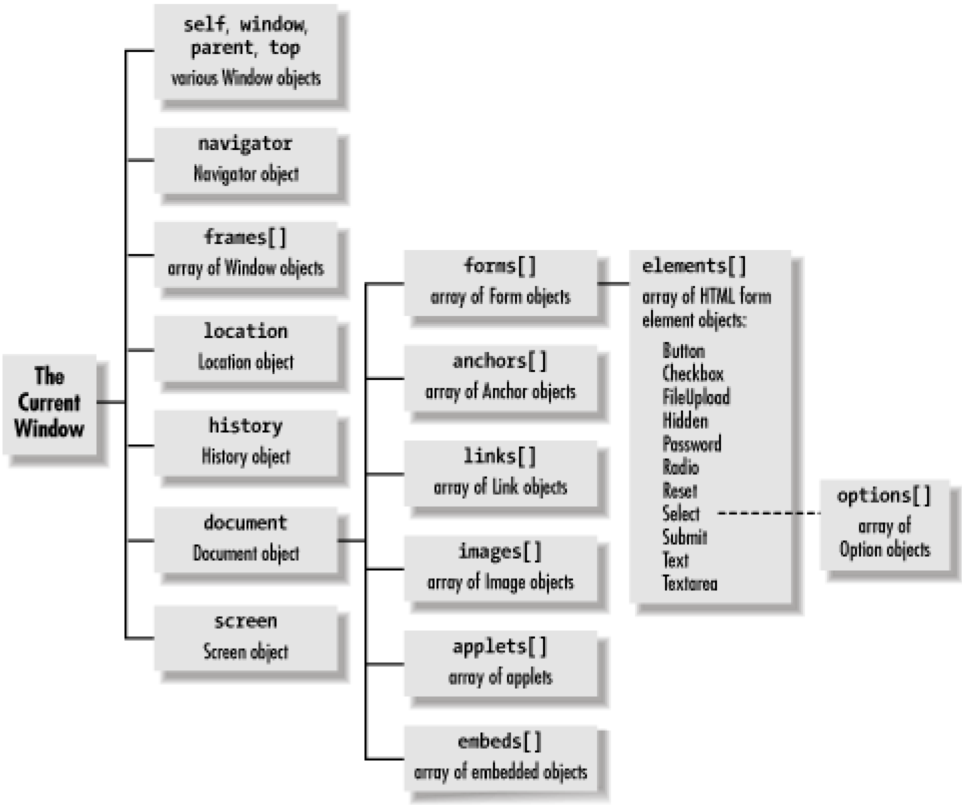
- You have to indicate what Bussines Services will to be used in browser script on application level



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

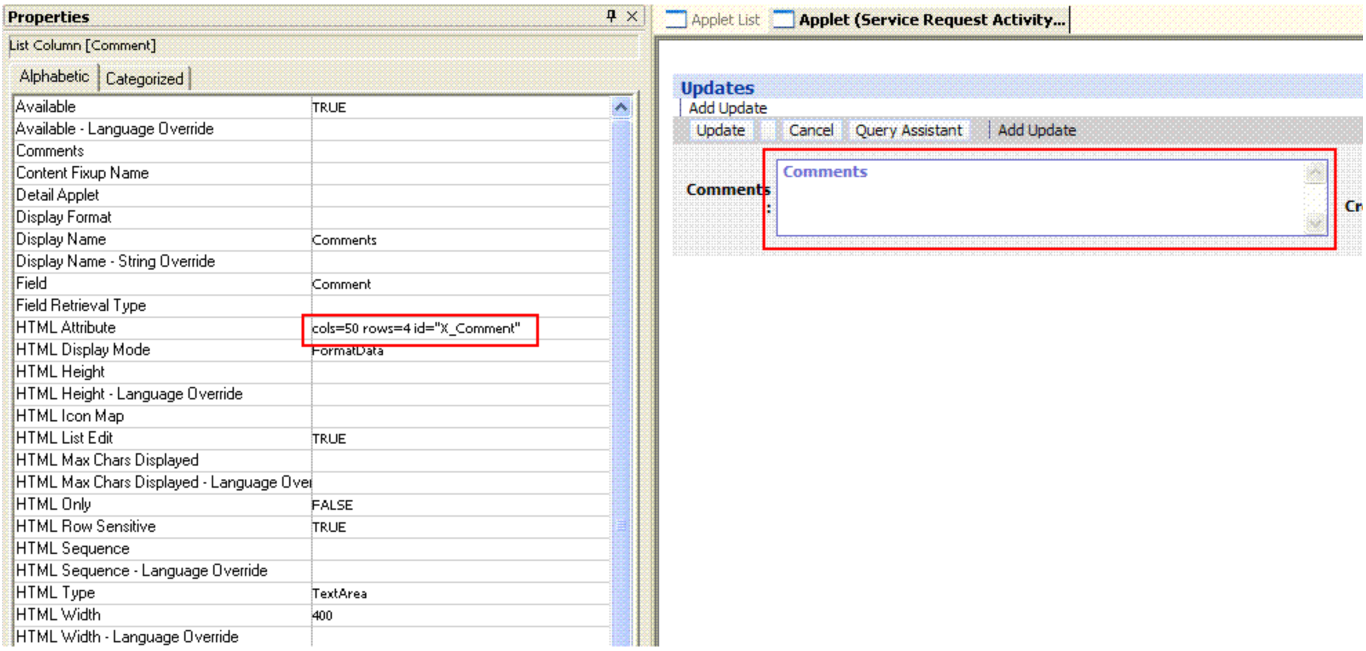
Ograniczenie jest potrzebne w przypadku aplikacji eService, która korzysta ze standardowych obiektów HTML. Problem polega na tym, że po przekroczeniu rozmiaru pola pojawia się komunikat o błędzie a zawartość pola jest czyszczona. Kod poniżej powoduje, że po przekroczeniu rozmiaru pola, zawartość jest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

Ograniczenie nie jest potrzebne w przypadku zwykłych aplikacji Siebel.

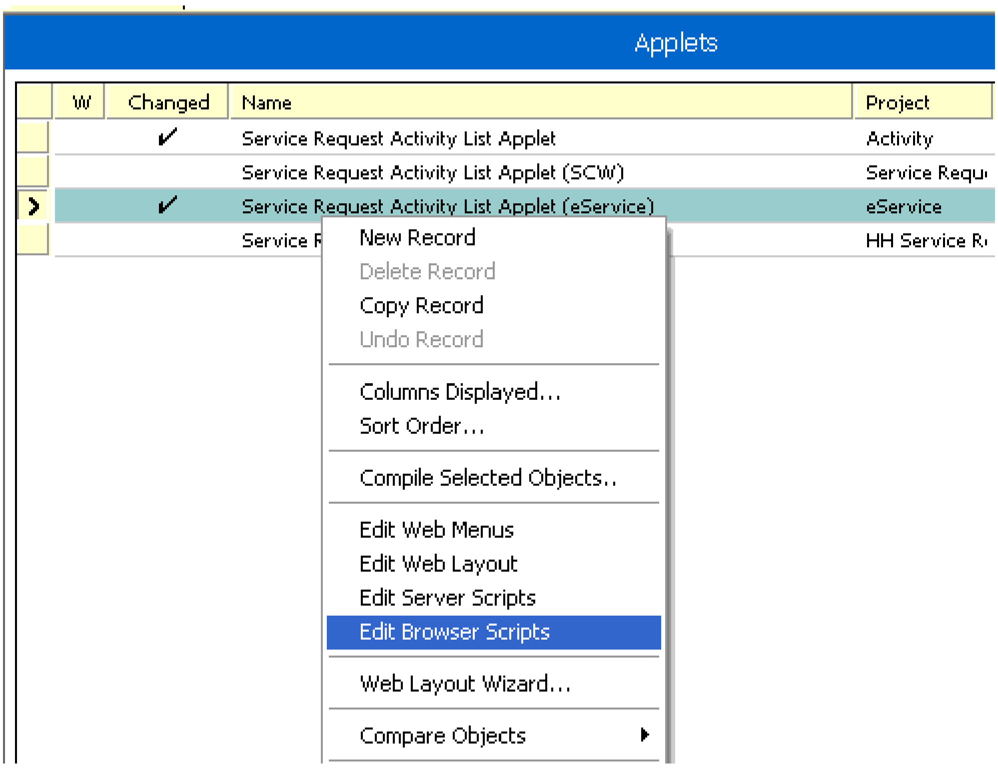
Browser-side validations - applet

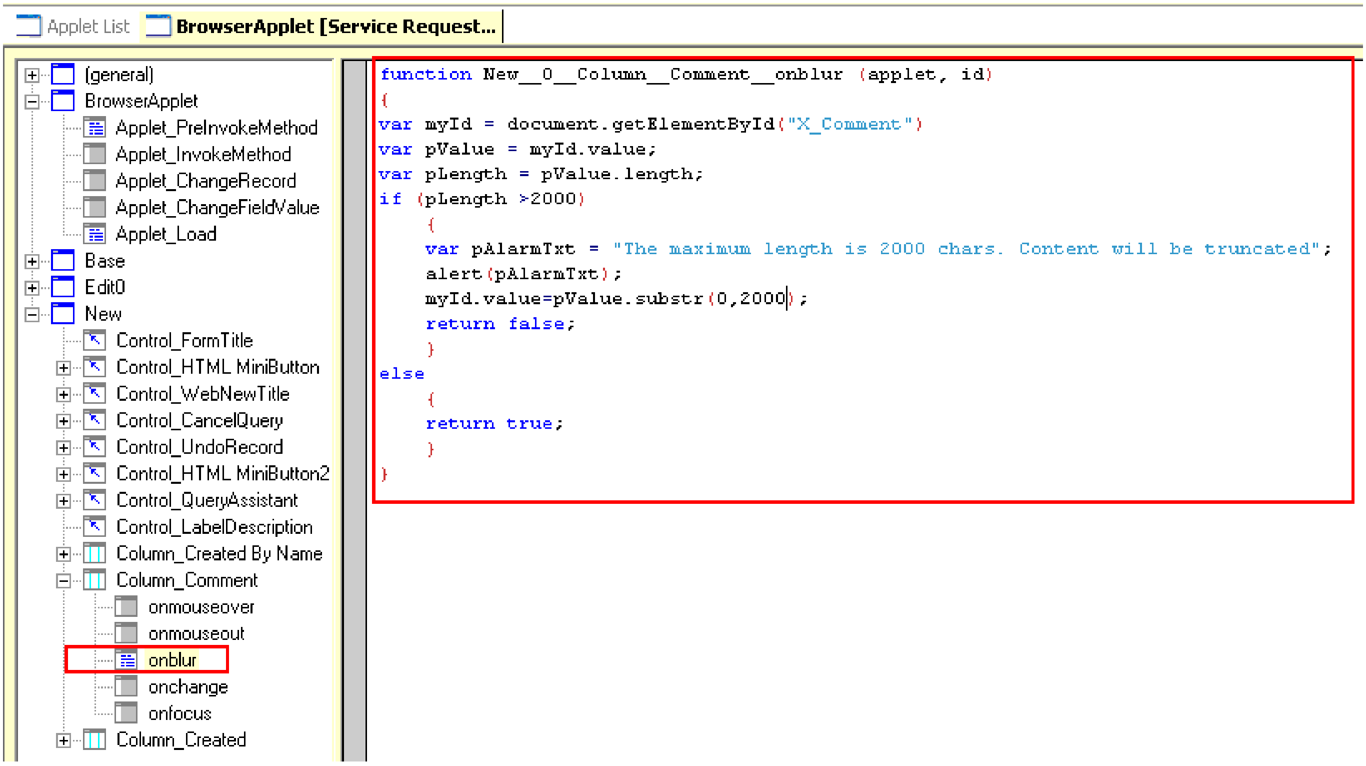
When-field-validate

1.



2.



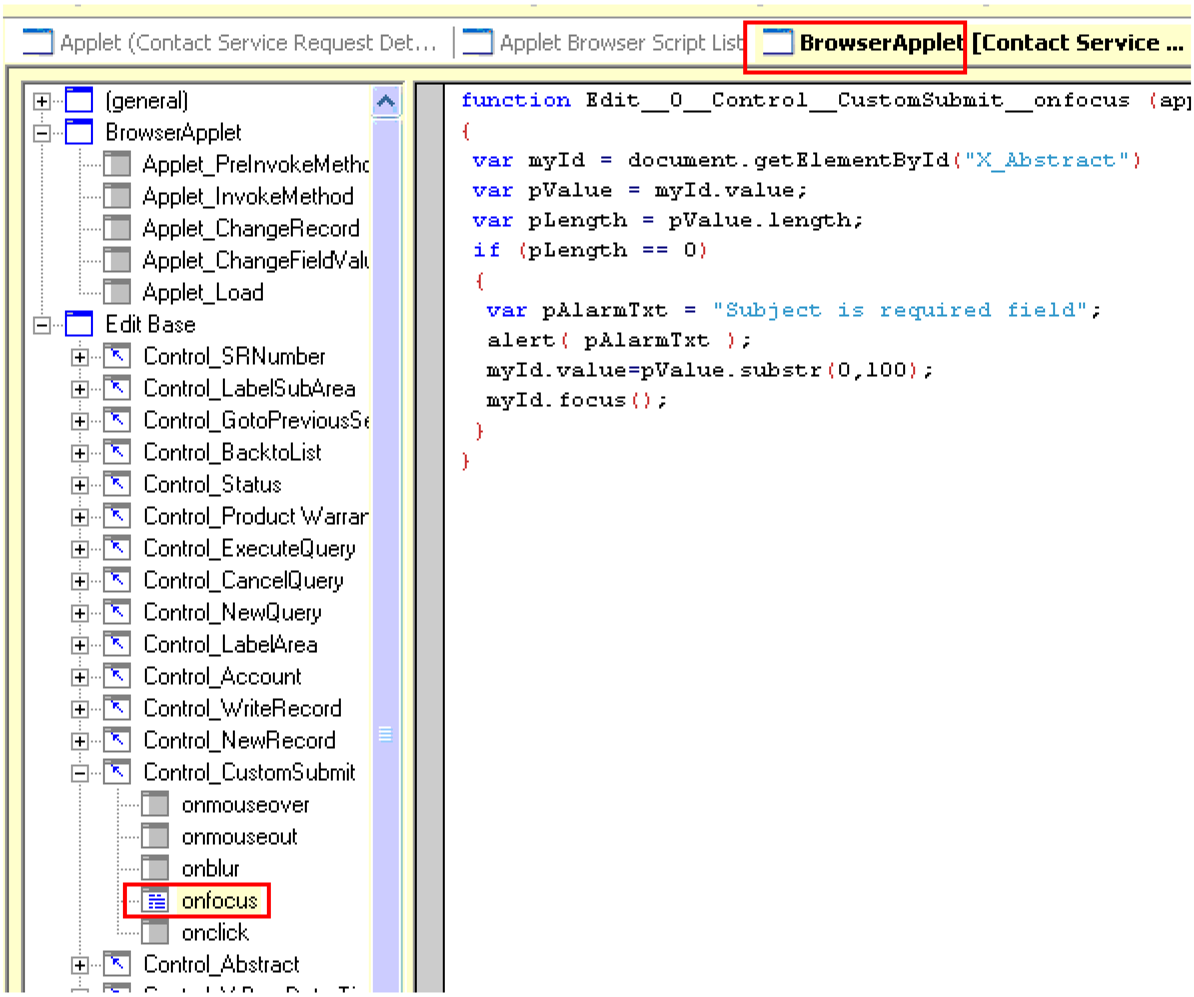



```
function New__0__Column__Comment__onblur (applet, id)
{
var myId = document.getElementById("X_Comment")
var pValue = myId.value;
var pLength = pValue.length;
if (pLength >1500)
                    {
                    var pAlarmTxt = "The maximum length is 1500 chars. Content will be truncated";
                    alert(pAlarmTxt);
                    myId.value=pValue.substr(0,1500);
                    return false;
                    }
else
                    {
                    return true;
                    }
}
```

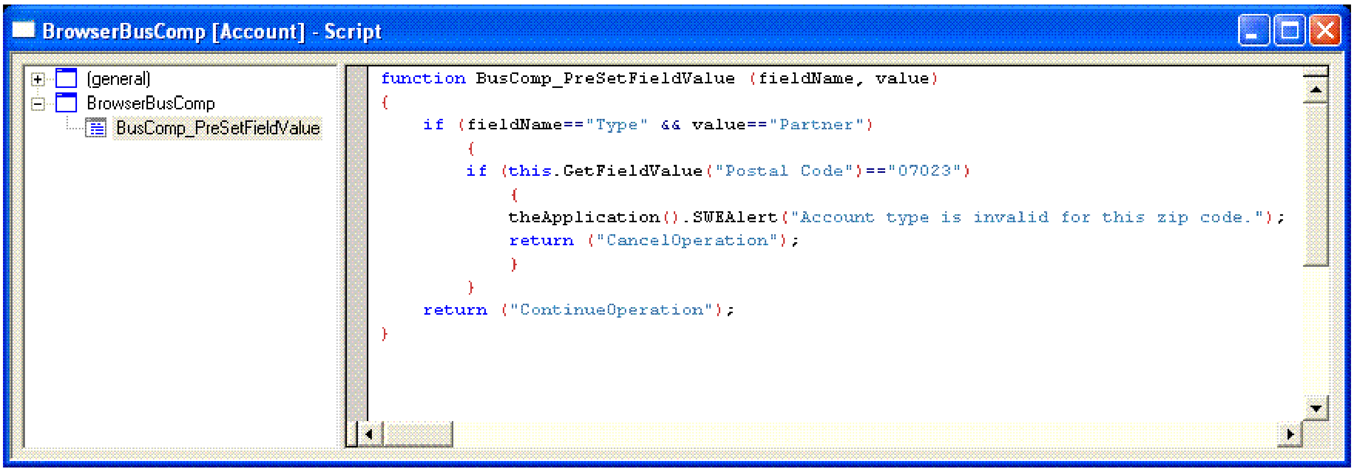
7. Pamiętaj o wygenerowaniu browser scriptów

When-record-validate

Non HI Client version

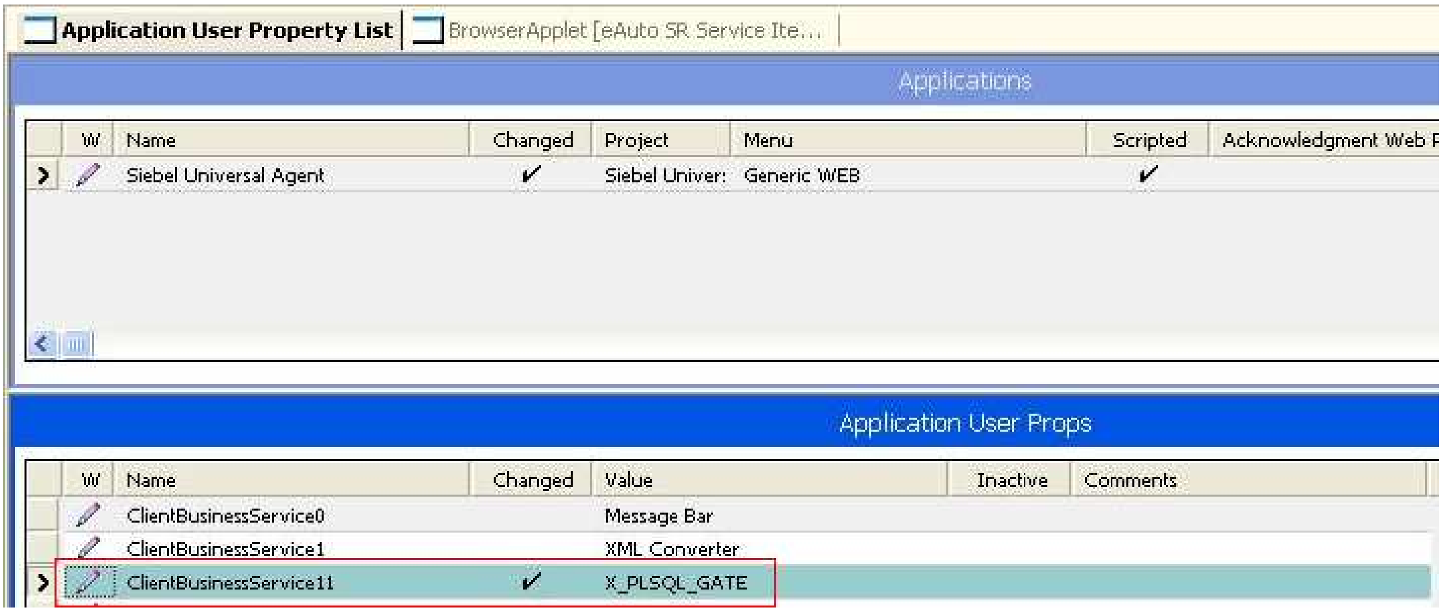


Browser-side validations - BC



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.




```
function Applet_InvokeMethod (name, inputPropSet)
{
  if (name == "WriteRecord")
  {
  var BookmarkBS;
  var psInput;
  var psOutput;

  BookmarkBS = theApplication().GetService("X_PLSQL_GATE");
  psInput = theApplication().NewPropertySet();
  psOutput = theApplication().NewPropertySet();

  psInput.SetProperty("message"    , name);
  psInput.SetProperty("moduleName", "2011.10.04");
  psOutput = BookmarkBS.InvokeMethod("debug", psInput);
  psOutput = BookmarkBS.InvokeMethod("debug", psInput);
  psOutput = BookmarkBS.InvokeMethod("debug", psInput);
  psOutput = BookmarkBS.InvokeMethod("debug", psInput);
  psOutput = BookmarkBS.InvokeMethod("debug", psInput);
  //BookmarkBS.InvokeMethod("debug", psInput, psOutput); works as well
  };
  return ("ContinueOperation");
}
```

Okno dialogowe OK

theApplication().SWEAlert("Any message text");

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://onlysiebel.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.

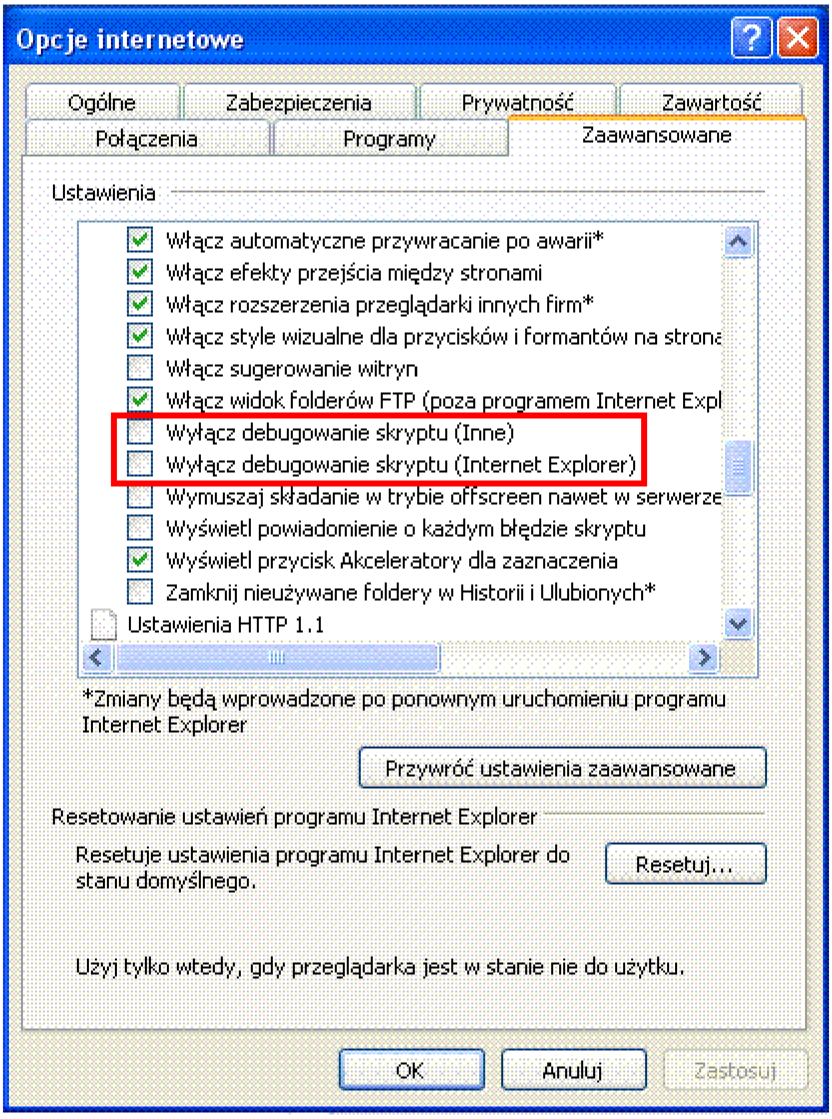
The only thing left is to call this function for the first time. A perfect place to do it – **Applet_Load event**.

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

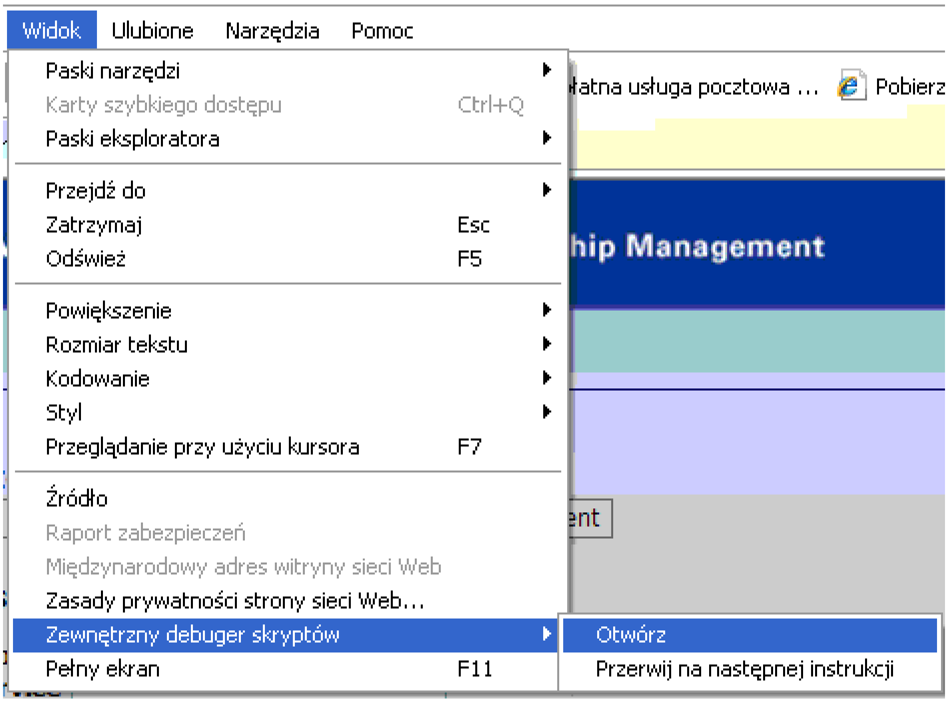
Create View (Or use existing)

Debugging browser scripts

1/ Internet explorer settings

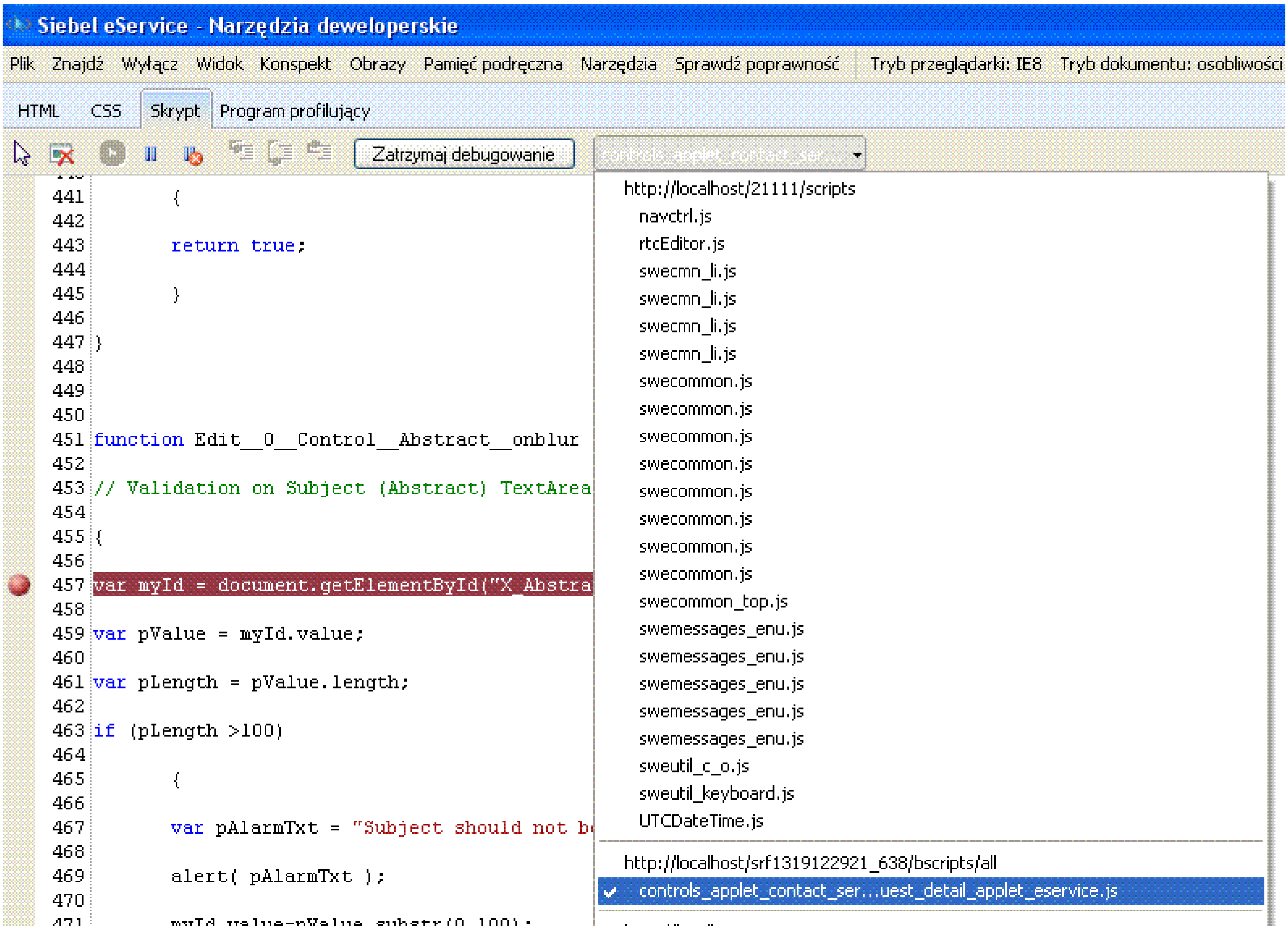


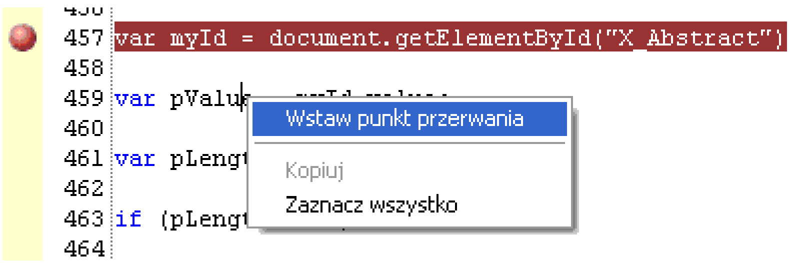
2/ (Optional step)



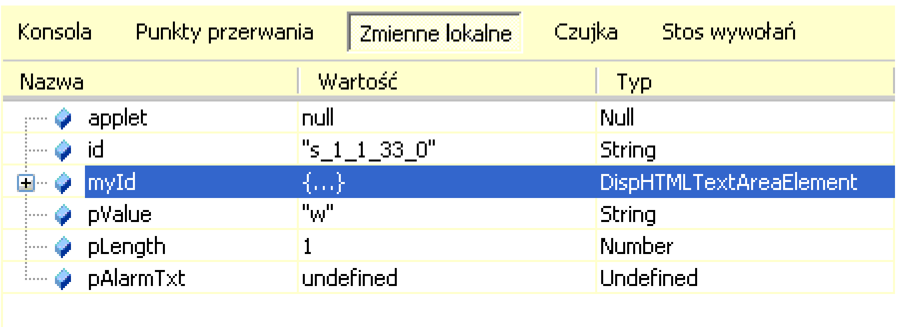
3/ Run application. This may be any application, not Siebel application only.

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

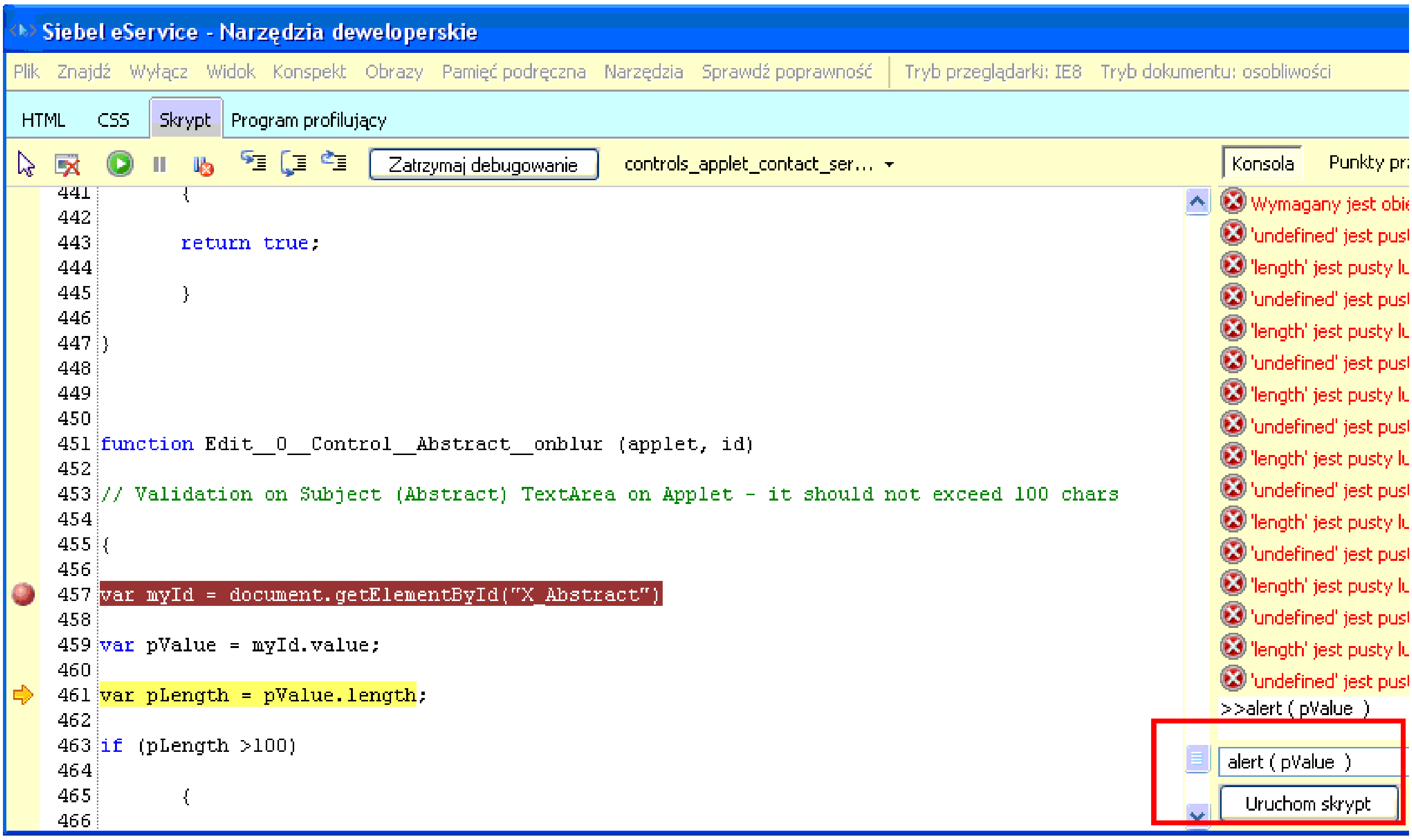


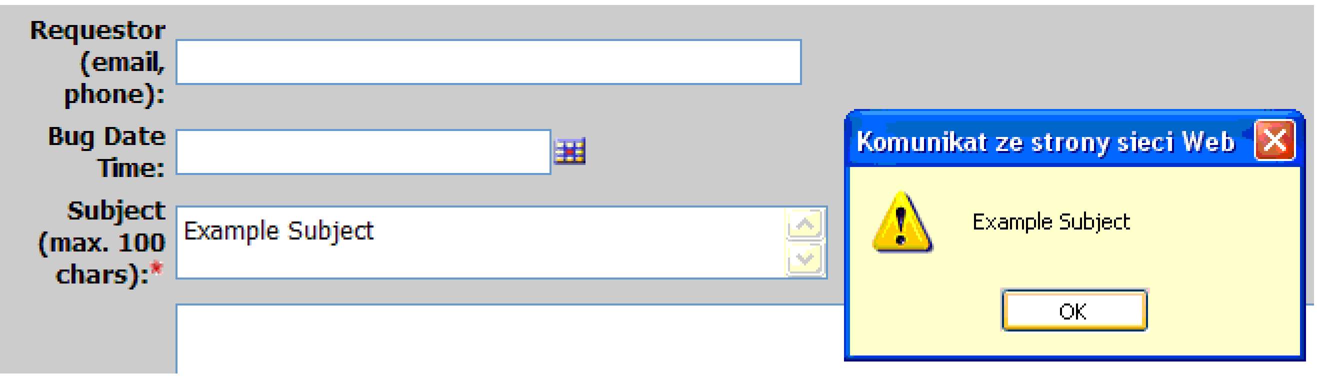


5/ You can review values of variables like this:



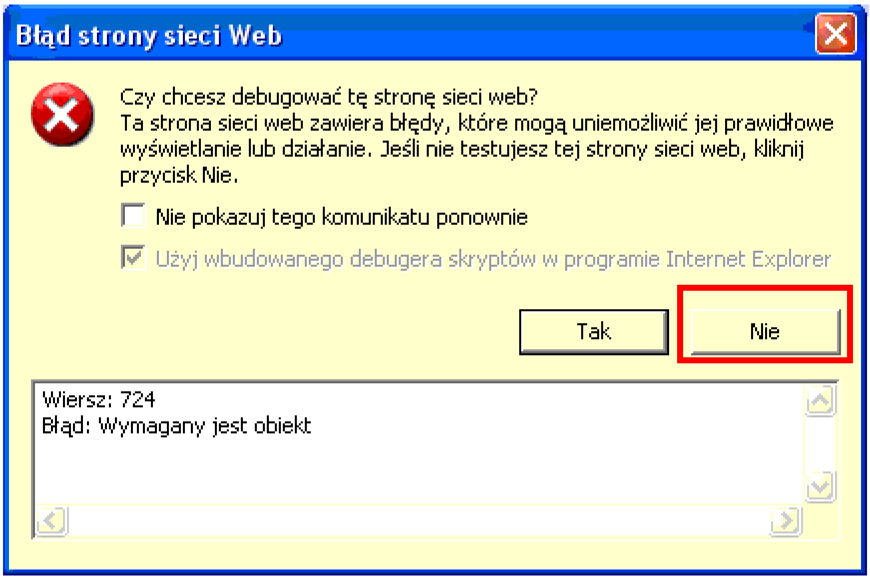
or



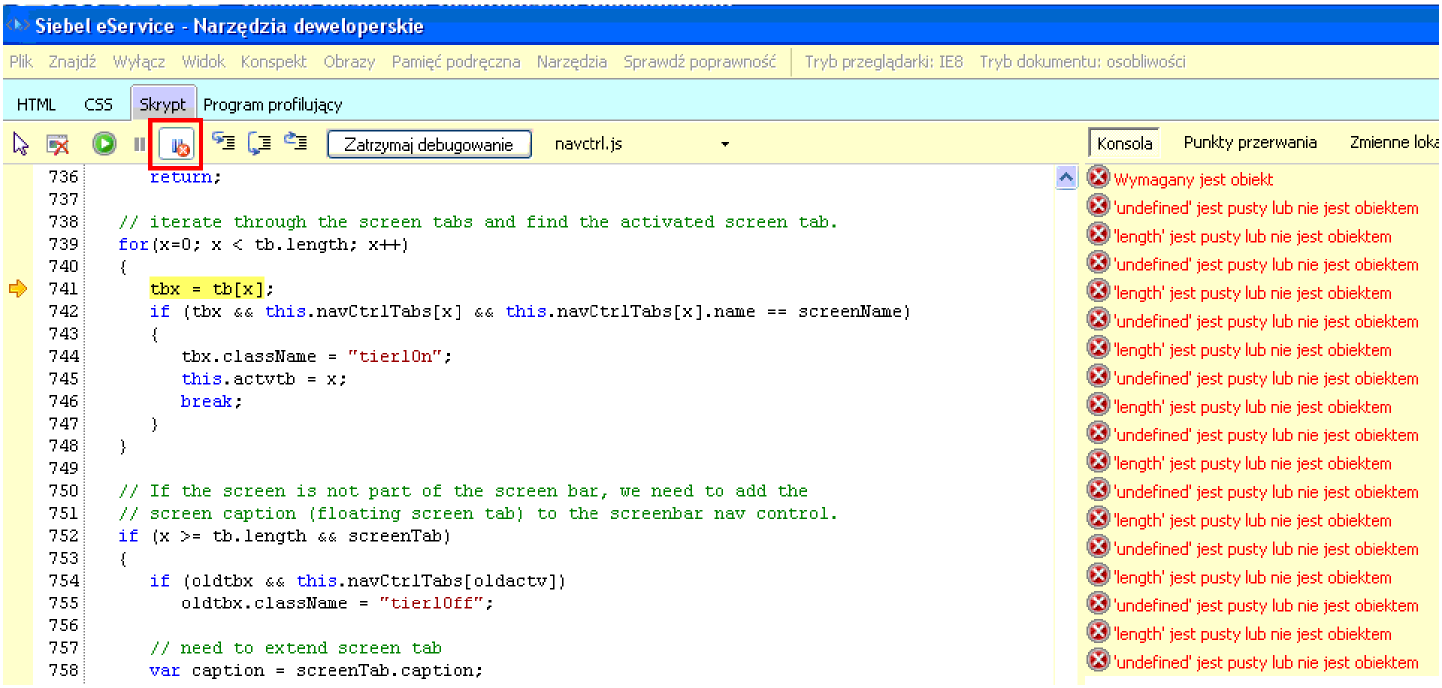


Other info

- Selecting No will permanently switch off the debugger



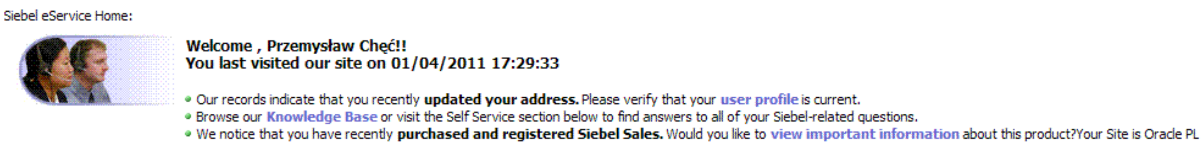
- Click this button to ignore persistent error



Special applets

Applet with any text

Desired effect



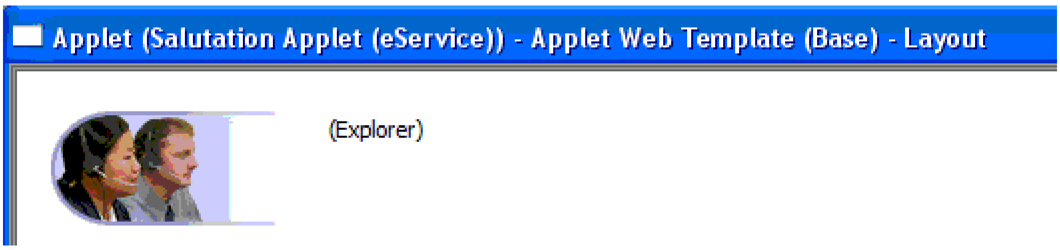
1/ Make a copy of applet “Salutation Applet (eService)”. This applet has assigned special class CSSFrameSalutation and special bc. Applet has also field Explorer. Do not change it.

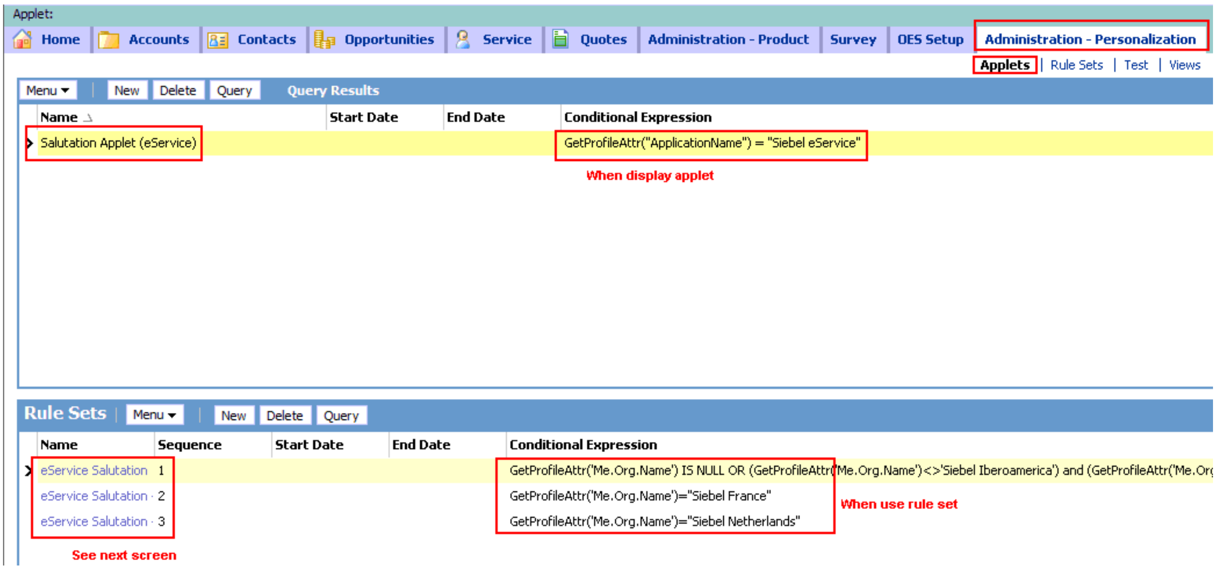
2/ Prepare personalization for copy of your applet. Review personalization of “Salutation Applet (eService)” to find out how to do it.

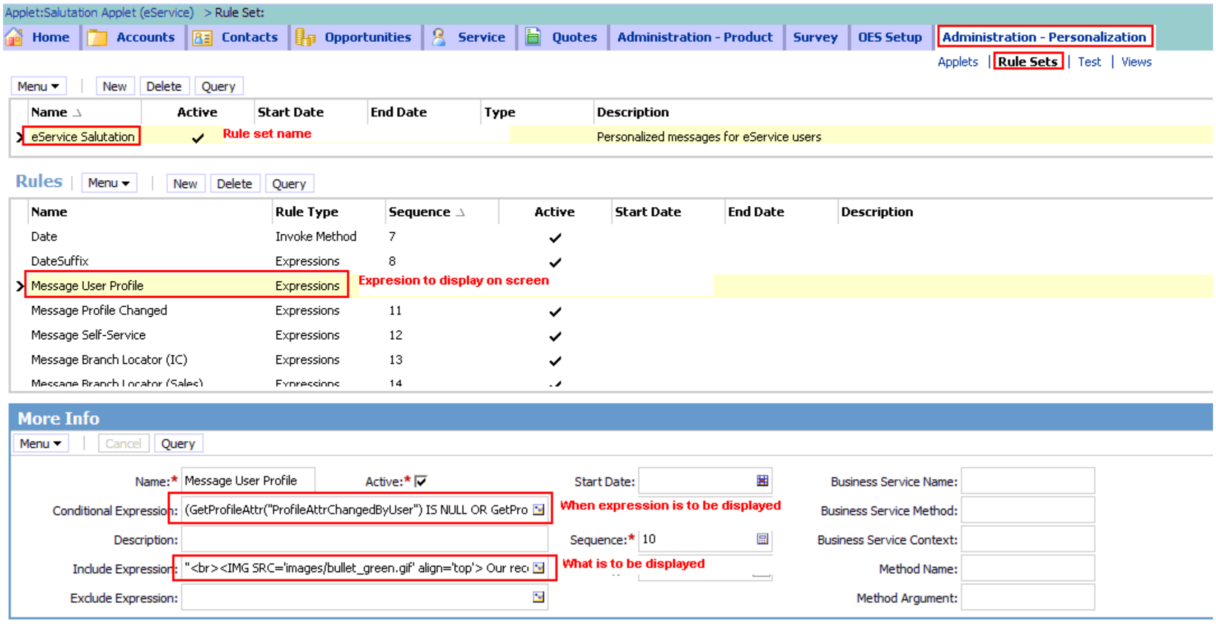
In short, you can write lines with any text, you can use HTML and create links.

How to review personalizations.

Applet web layout:





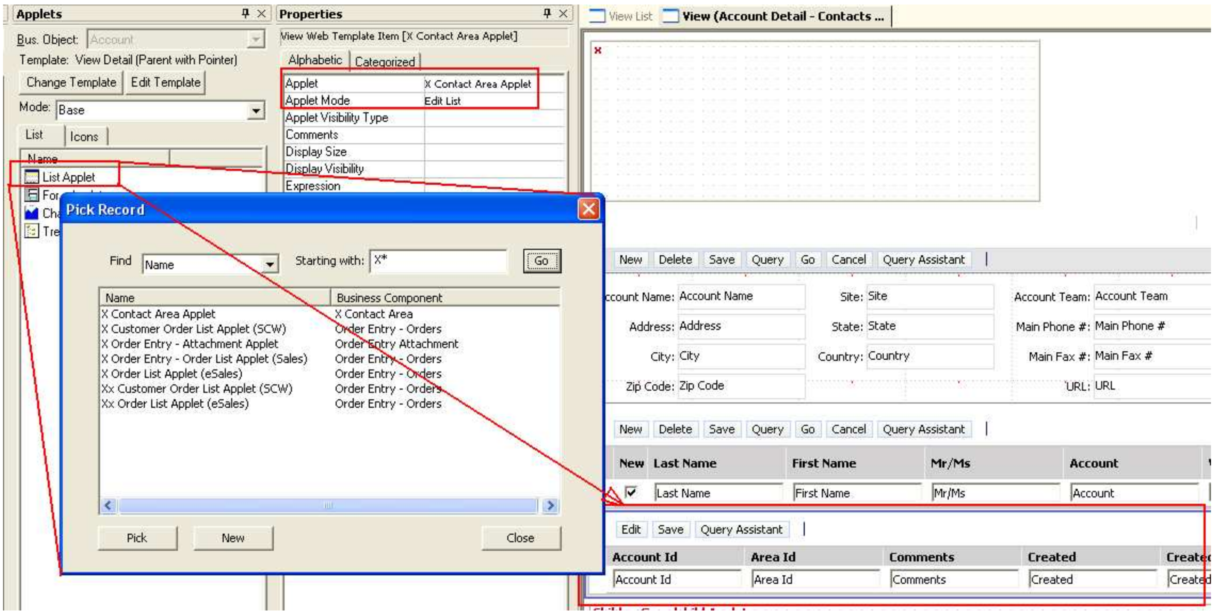


Important! To make personalization active choose: Menu -> Reload Personalization Rules

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

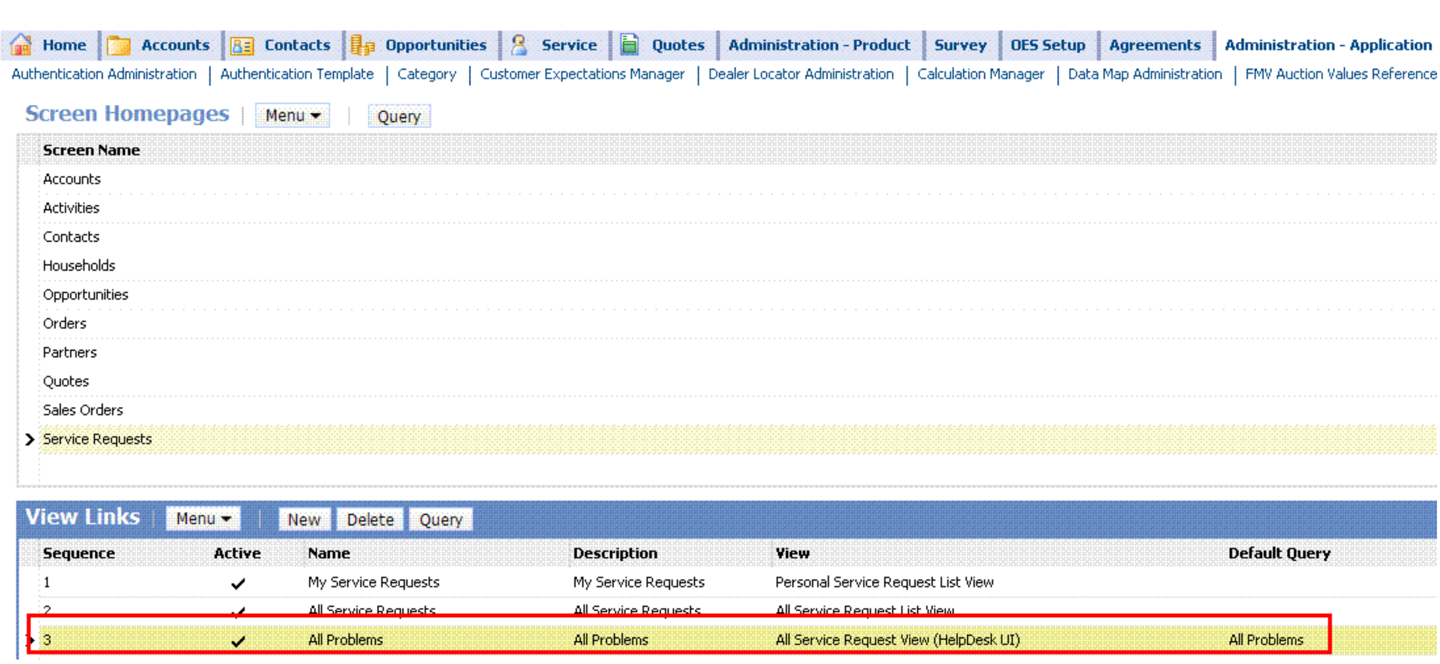
Assign View do Responsibility

Zob. "Dostęp do widoków i appletów"

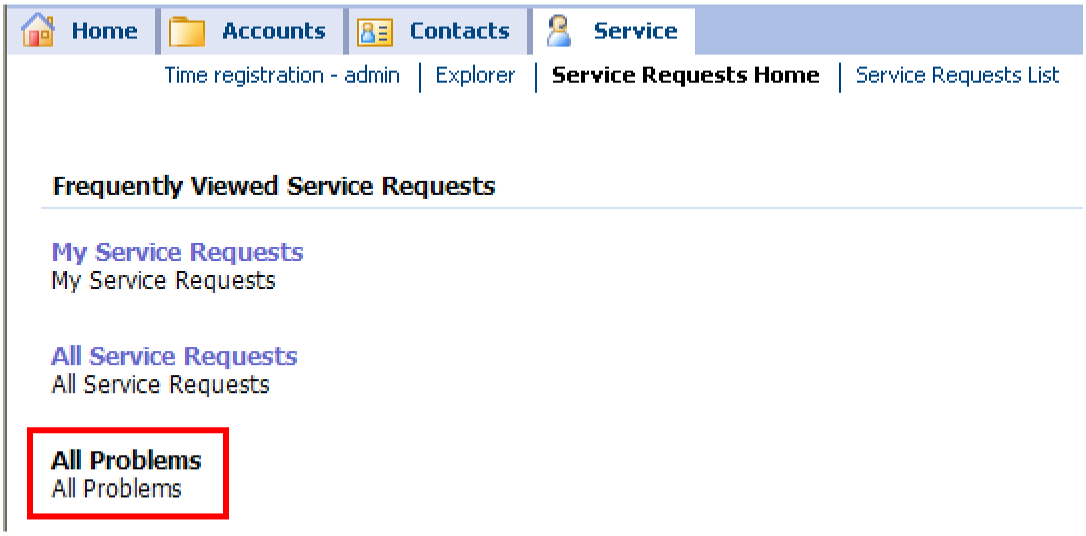
HI Framework customizations

Home views

Administration - Application -> View Links



=>



Login window setup

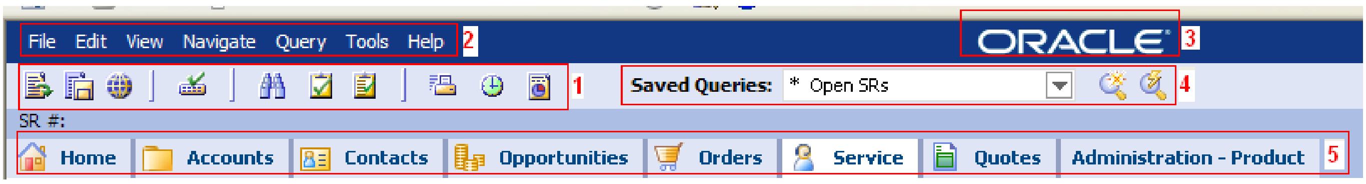
How to Create a Custom Siebel Login Page

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

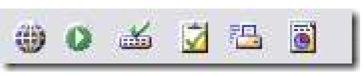


1 – toolbar: „HIQuery"

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 ToolbarDisplay 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

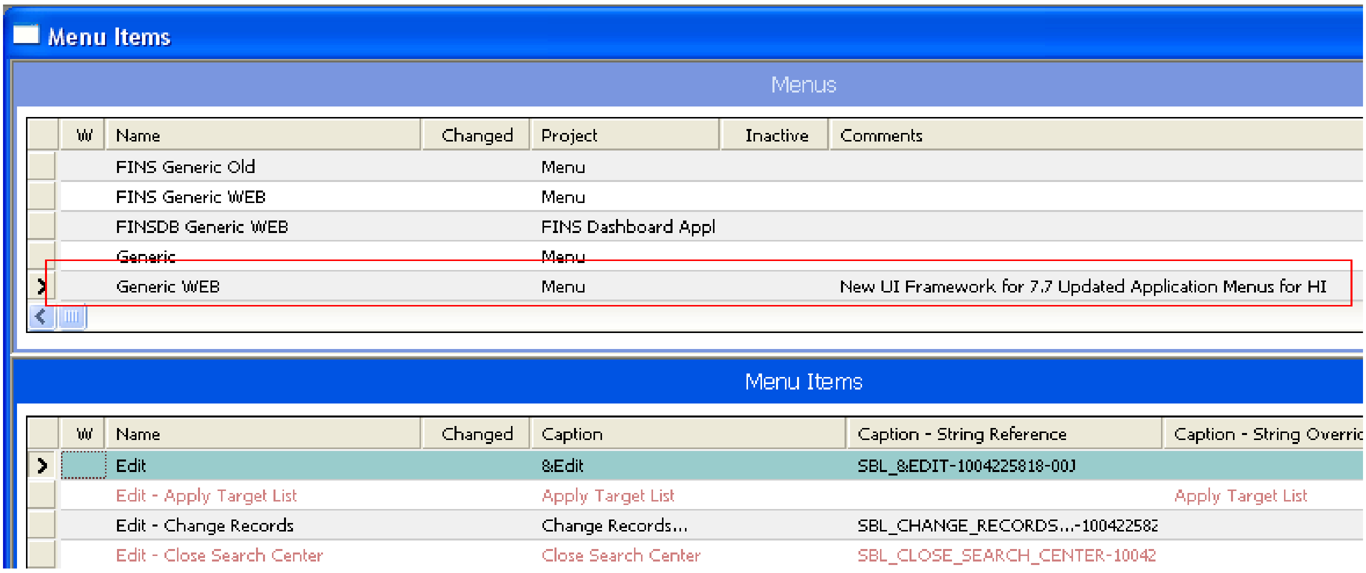
Toolbar Items

	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"



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"><swe:image name="NEW_BANNER_GLOBE_LOGO" category="HTML Control Icons"/></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

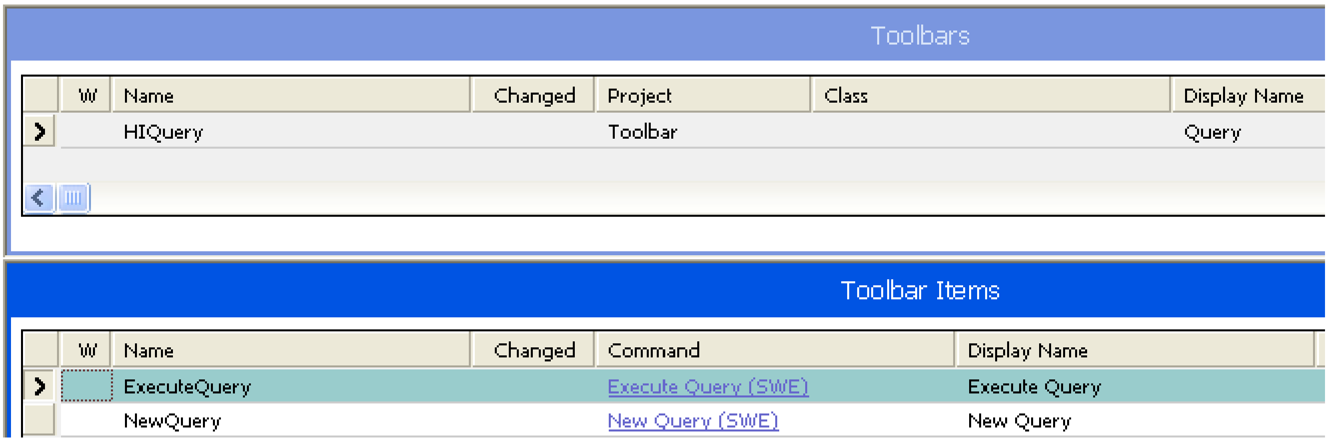
h.) Clear IE browser cache and login

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:\\onlysiebel.blogspot.com



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?

Please add the following code to the "CCFrameBanner.swt" template file.Please add another line of code as demonstrated below and avoid modifying the existing code .
Just before the code

```
<td align="right"><a href="http://www.siebel.com" target="_blank"><swe:image name="POWERED_BY" category="HTML Control Icons"/></a></td>
```

add the following code:

```
<td align="right"><a href="http://YOURURL.com" TARGET="_blank"><img src = "images/YOURIMAGE.jpg" height ="30"></a></td>
```

save the changes and log on to the application.You will see the logo just before the Siebel Powered by logo and when clicking on it you will be redirected to the desired URL

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.

How To Remove The Query Dropdown From The Toolbar

a).Please try to remove the following code from the original web template file :

```
<swe:form>
<swe:pdqbar>
<table border="0" cellpadding="0" cellspacing="0" class="PDQWidth">
<tr> <td valign="absmiddle"><img src="images/spacer.gif" width="1" height="3"></td></tr>
<tr>
<!--Favorites Label-->
<swe:pageitem id="35">
<td valign="middle" nowrap><b><swe:this property="FormattedHtmlFormattedHtml" />: </b></td>
</swe:pageitem>
<td valign="middle"> </td>
<td valign="middle"><swe:this property="FormattedHtmlFormattedHtml" /></td>
<td nowrap>   
</tr></table>
</swe:pdqbar>
</swe:form>
```

b).Then, save the file.

Please note that you need to make sure to clear the IE cache after making the changes to the web template file and restart the Siebel Application.

c). Also, please note that manual changes to web templates such, as this one will not be propagated automatically during upgrade. Therefore, every time you upgrade, you have to make these changes manually and test it thoroughly.

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

How to change Background Color of selected row in list applet in HI mode

a)Please go the <client install dir>/PUBLIC/FILES

b)Find the file "jctrls.css".

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.

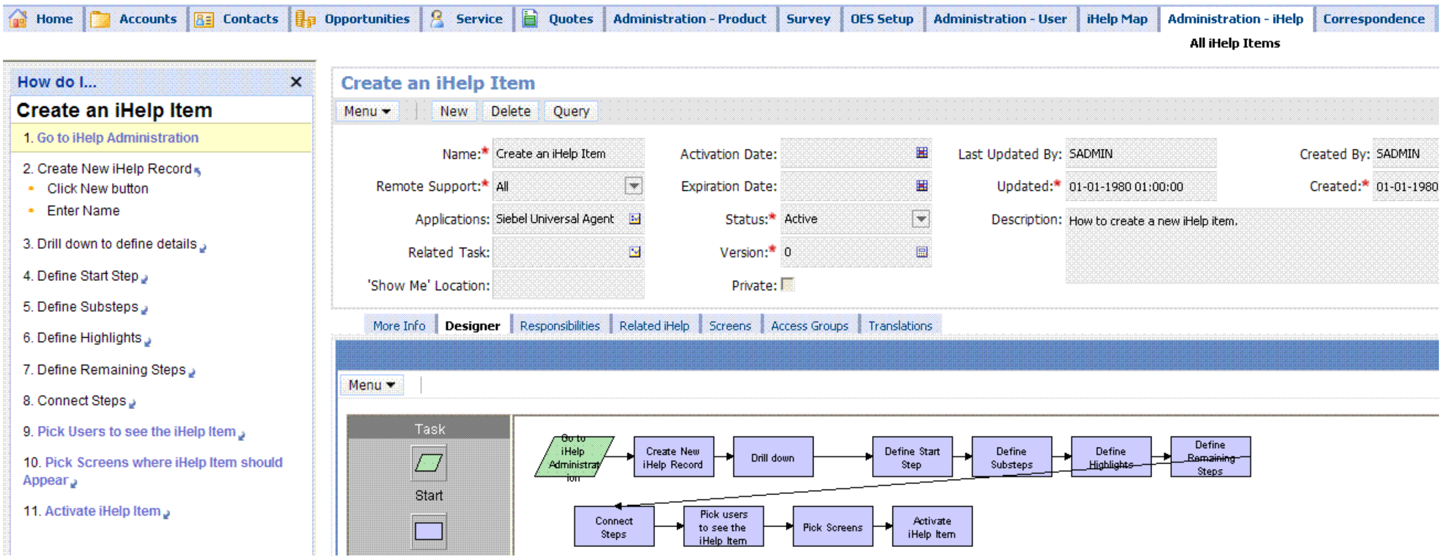
e)Save the file.

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.

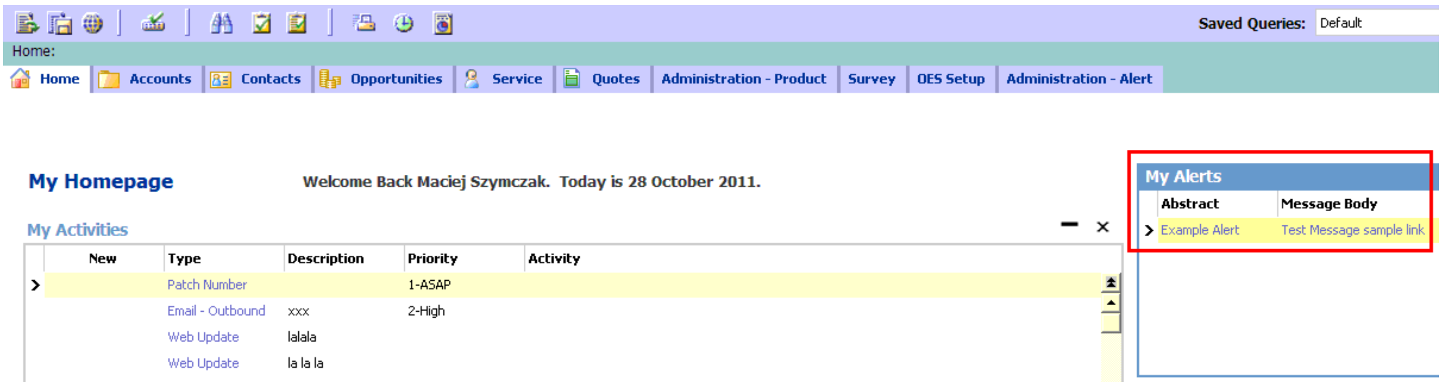
iHelp

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

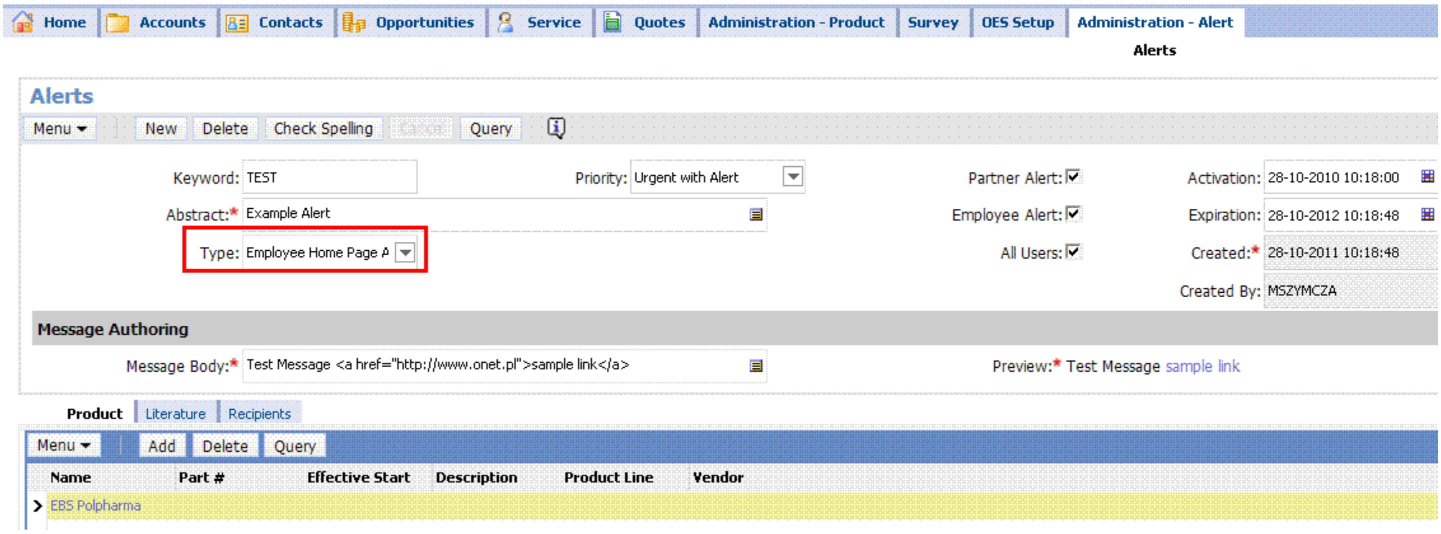


Alerts

Effect:



Setup:



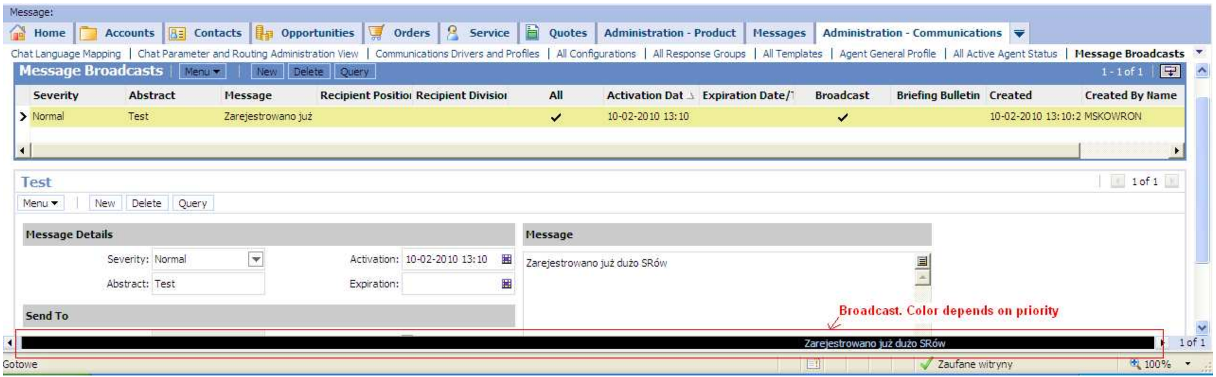
SmartScripts

See file smartScripts.doc

Broadcast

Scrollbar at the bottom of screen (Broadcast)

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



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.

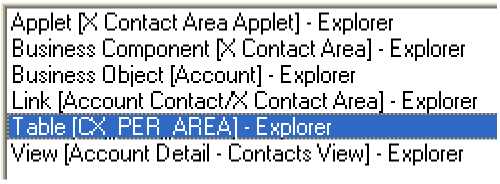
3. Typically event WriteRecord is launched subsequently after PreWriteRecord. BUT when another used changed record, then PreWriteRecord is launched and sucesfully performed, but WriteRecord not. Next, values on applet are reverted from database. As a result “Database:” variable stores incorrect value. 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 ?

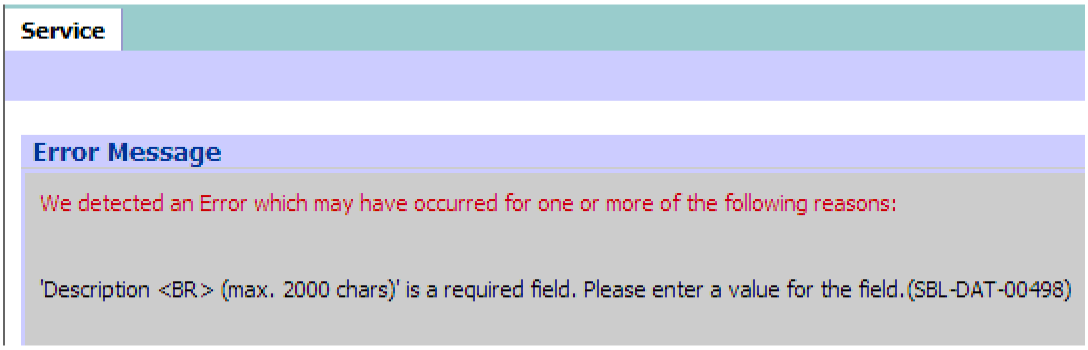
Error „An error has occurred creating business component 'X Contact Area' used by business object 'Account'. Please ask your systems administrator to check your application configuration.(SBL-DAT-00222)" ? ➔compile All created/modified objects:



open issues

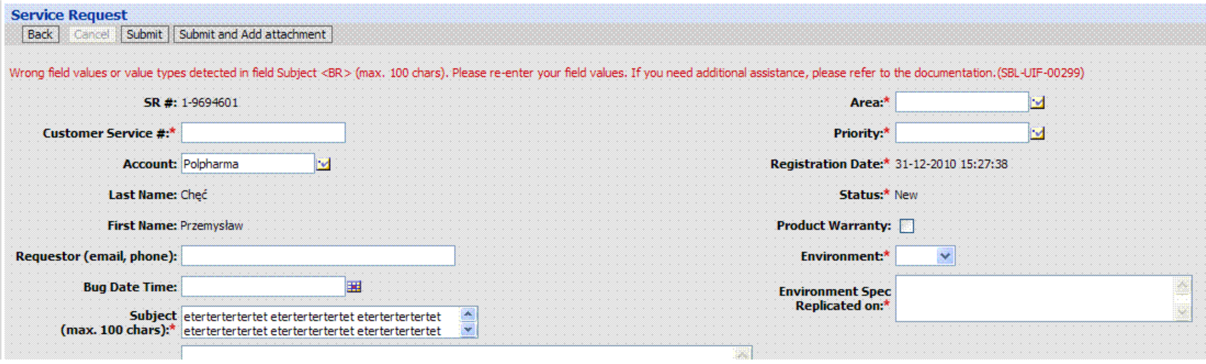
Applet Metod Menu NIE DZIAŁA

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:

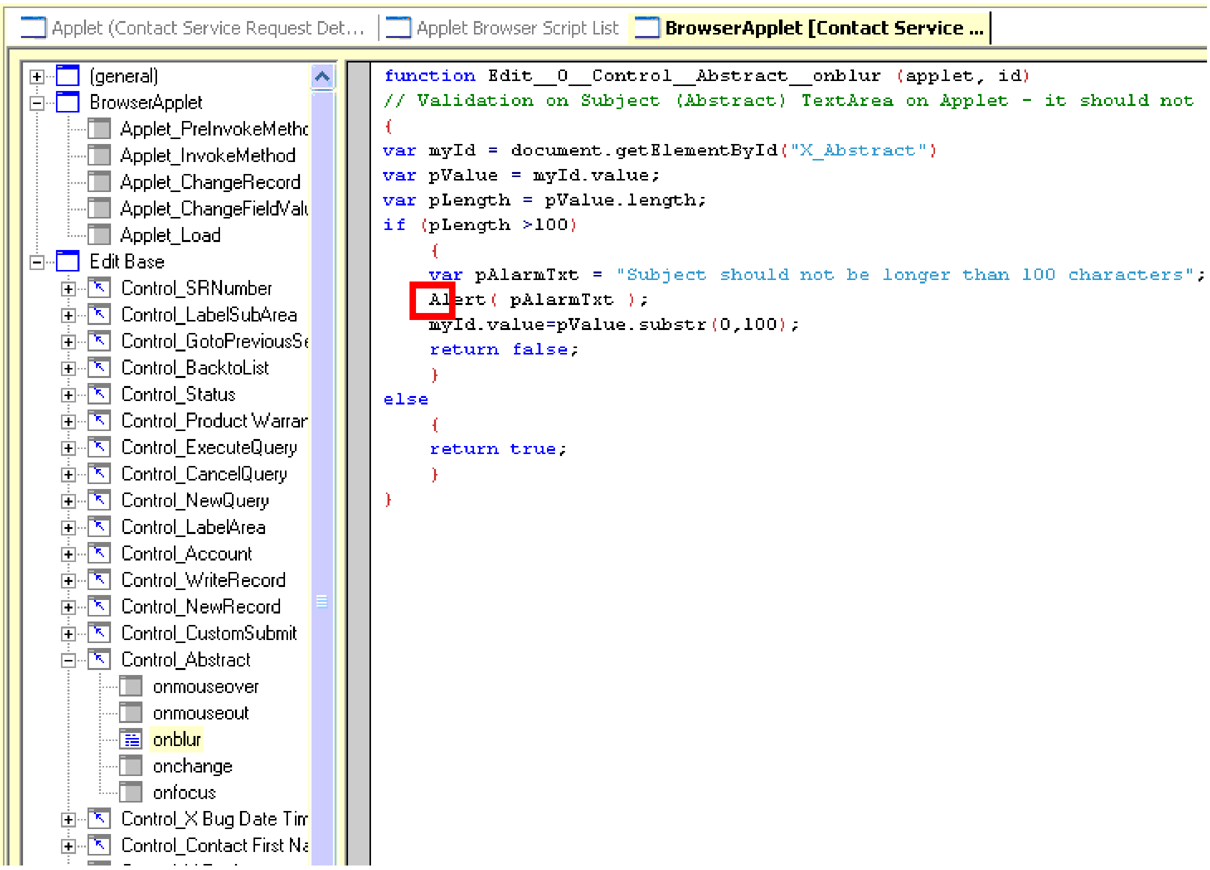


Co zrobić, żeby standardowe komunikaty pojawiały się na tym samym ekranie ?

Chyba jest na to jakaś szansa, bo zauważyłem, że jeżeli w aplecie javascript (browser script) wystapi błąd, to pojawia sie 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

alternativelly

```
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

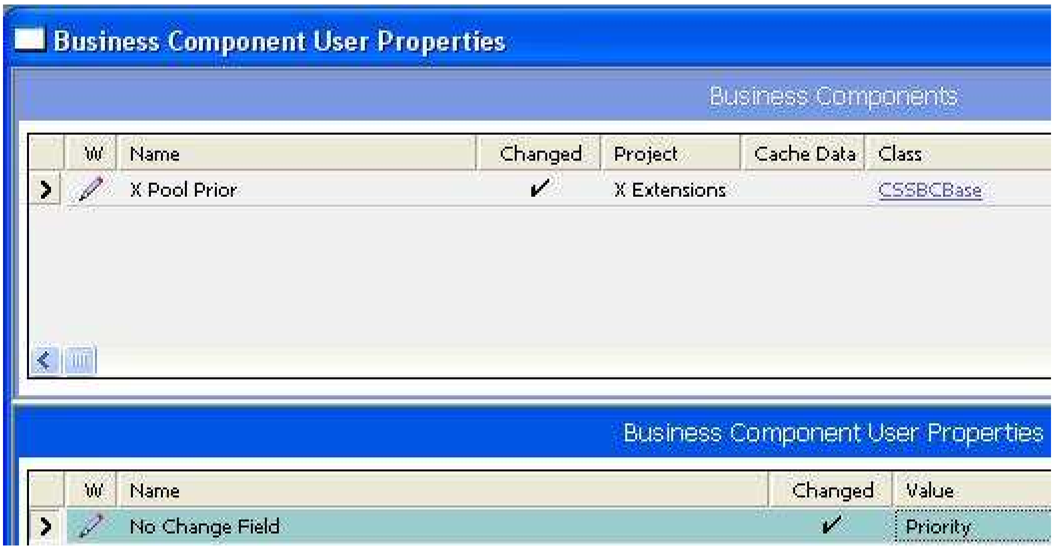
lub

applet.control.read only = true

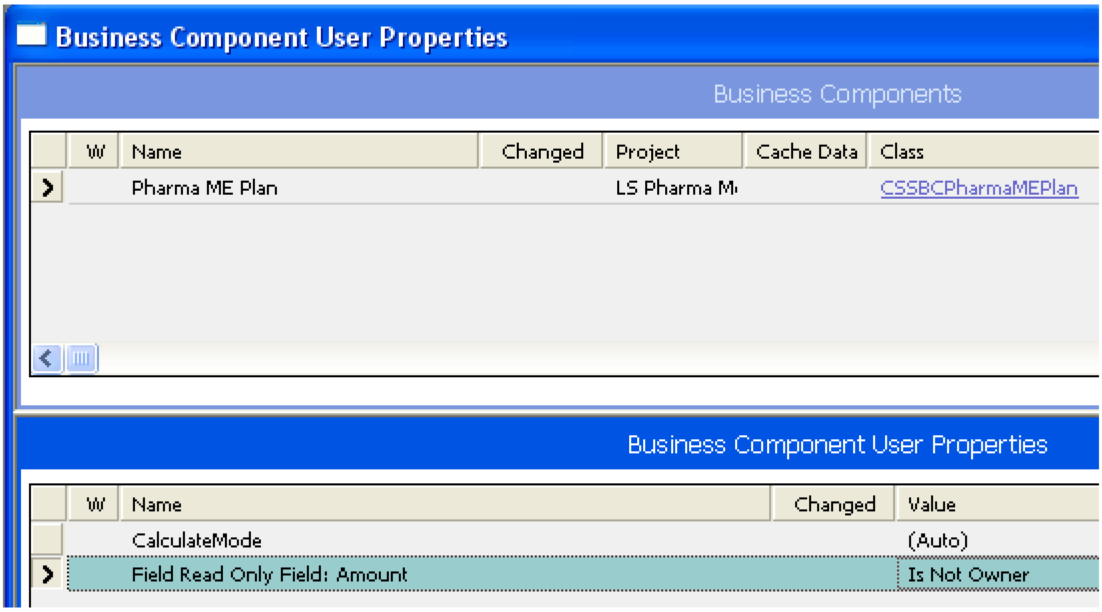
Sposób 2 – podczas insert dostępne, podczas update niedostępne

(nie można uzależnić od użytkownika)

No Change Field



Sposób 3 - w zależności od innego pola



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", poczytaj 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 Accoutings Work Activites",  this.GetFieldValue("X Accoutings Work Activites")  );
  TheApplication().SetProfileAttr("Database:TR.X Accoutings Performer"      , this.GetFieldValue("X Accoutings 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 Accoutings Work Activites", "Database:TR.X Accoutings Work Activites", "Work activities");
  readOnlyField("X Accoutings Performer"     , "Database:TR.X Accoutings 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 Accoutings Work Activites", "Database:TR.X Accoutings Work Activites", "Work activities");
  readOnlyField("X Accoutings Performer"     , "Database:TR.X Accoutings 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

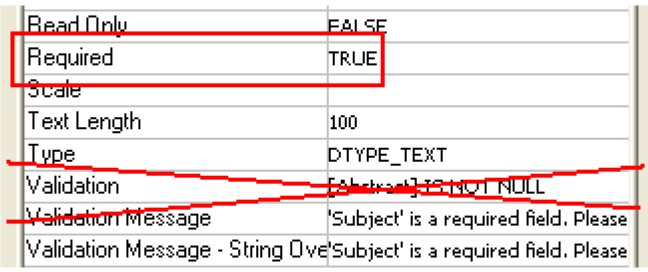
1/ Required - statycznie

Table.column.required=true

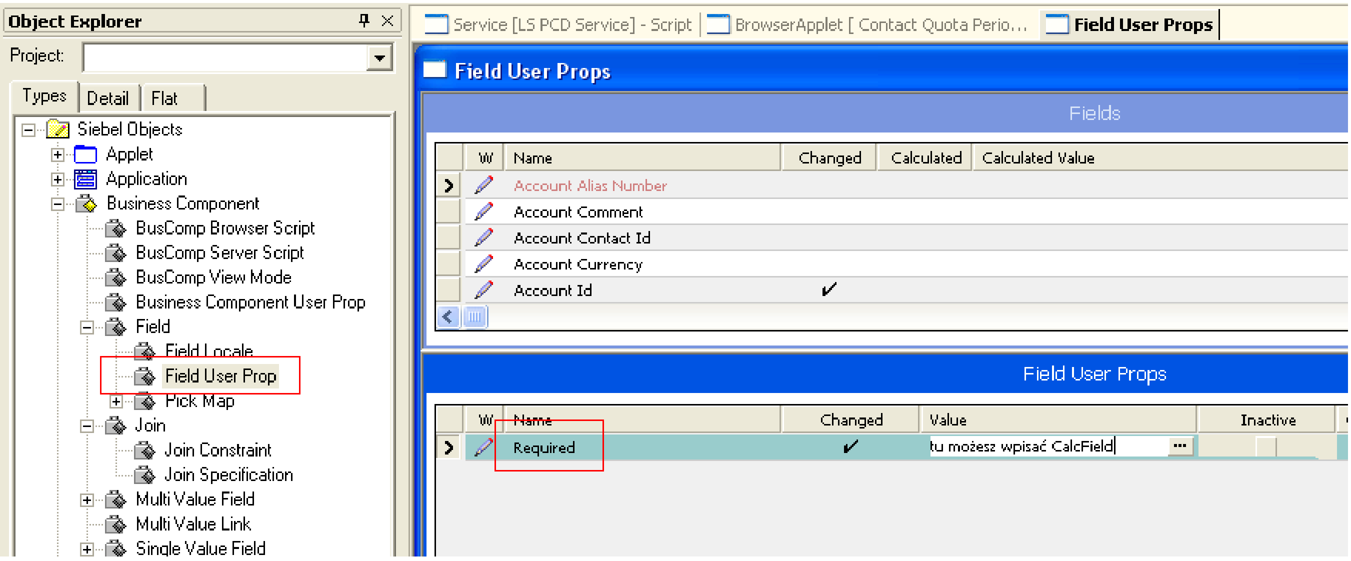
lub

BC.Field.Required = true

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



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 toogleApplet.

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

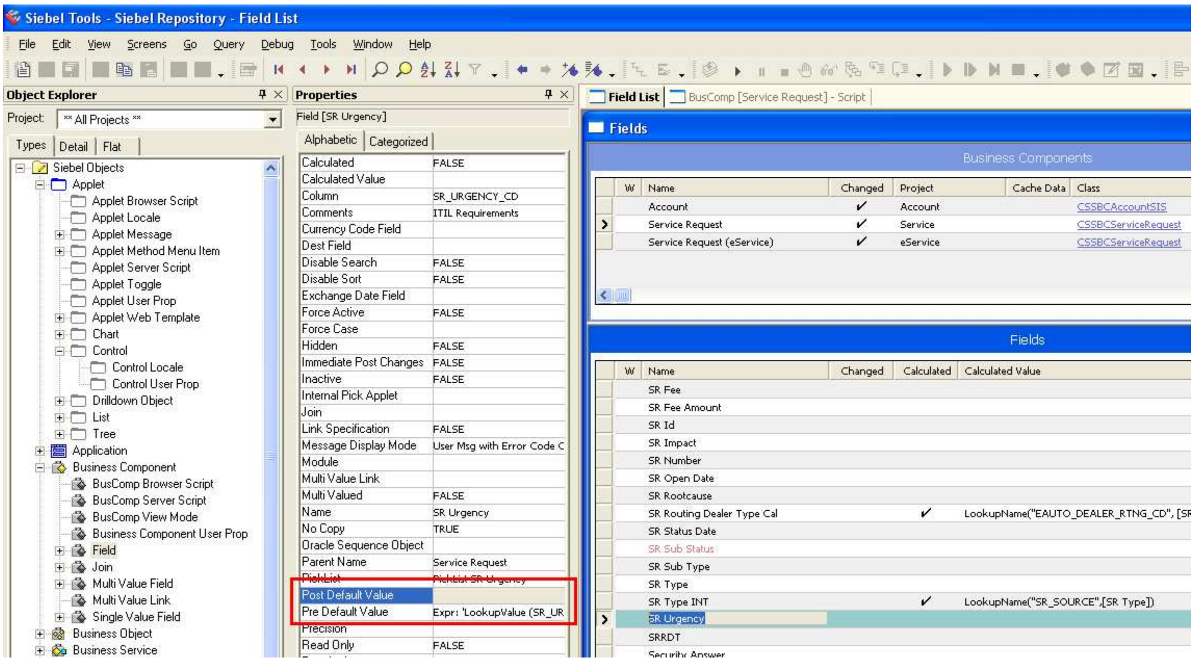
Ze względu na późniejsze problemy z utrzymaniem spójności pomiędzy apletem i jego kopią staraj się nie używać tej możliwości.

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