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hroug

**14. KONFERENCIJA
HRVATSKE UDRUGE
ORACLE KORISNIKA**

13. - 17. LISTOPAD 2009. ROVINJ

Denes Kubicek



Oracle ACE APEX Developer of the Year 2008

Blog & Tools at:

<http://www.deneskubicek.blogspot.com/>

<http://apex.oracle.com/pls/otn/f?p=31517:1>

<http://www.opal-consulting.de>

Create Web 2.0 Applications using Apex

By Denes Kubicek, Apex, Oracle and IT Consulting
www.opal-consulting.de

Today's Topics

- possible Scenarios
- Tools
- Layout planning – Page
- Layout planning – Region
- using WYSIWYG Editor
- Creating a css File
- Creating a new Theme
- Using Javascript & Ajax
- Creating Multiple Regions in One Region
- Using Page 0 or Page Header
- Use Firefox Plugins – Live Demonstration

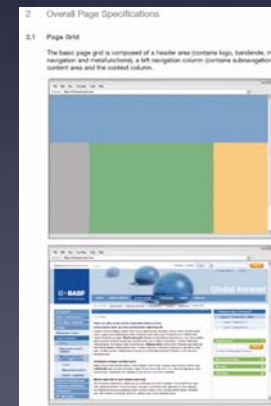
Scenario

a) You get source code of an existing page – including images and css

*tab_list_left_cap.gif	28.05.2008 16:51
*tab_list_right_cap.gif	28.05.2008 16:51
*topnav2.gif	28.05.2008 16:51
*plus.gif	28.05.2008 16:51
*www_right_arrow.gif	18.06.2008 11:14
*minus.gif	28.05.2008 16:51
*node.gif	28.05.2008 16:51
*menu_open_right.gif	28.05.2008 16:51
*top.gif	28.05.2008 16:51
*tab_rounded.gif	28.05.2008 16:51
*tpx_trans.gif	28.05.2008 16:51
bfiles	11.08.2008 21:50
calendar	11.08.2008 21:50
javascript	11.08.2008 21:50

```
.conNavigationHorizontal .navLevel1 .navItemSelected_new  
{ display:inline;margin-right:1px;padding-top:4px;height:22px;max-height:18px;  
color:#ffffff;background-color: #800000;padding-left: 8px;padding-right: 8px  
float:left;font-size:12px;}  
  
.conNavigationHorizontal .navLevel1 .navItem a, .navItem a:hover  
{ font-size:12px;}
```

b) all you got is a snapshot of an existing page
– no images, no css file
but a styleguide and a couple of screenshots

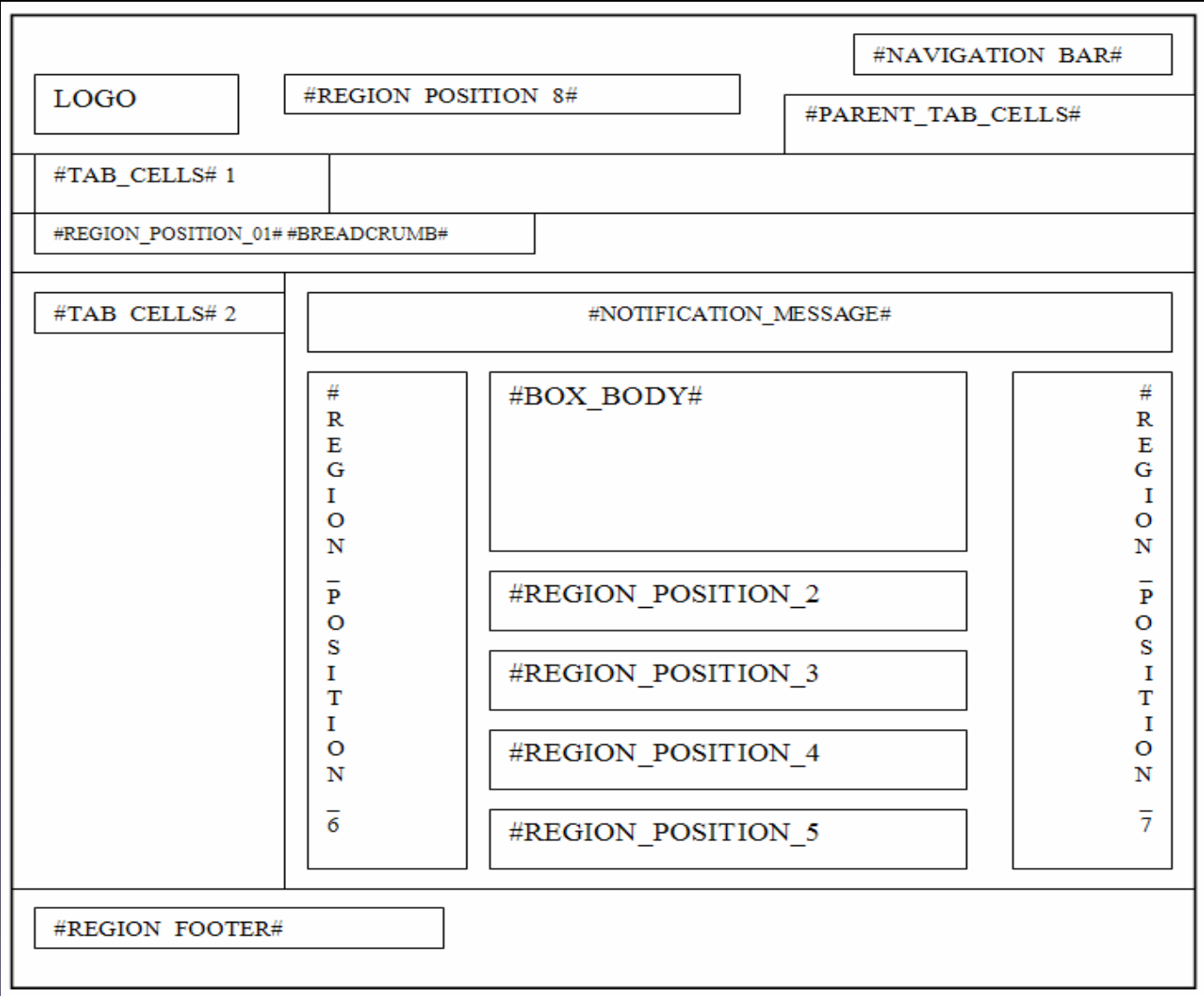


c) You are using an existing standard apex template and modifying it

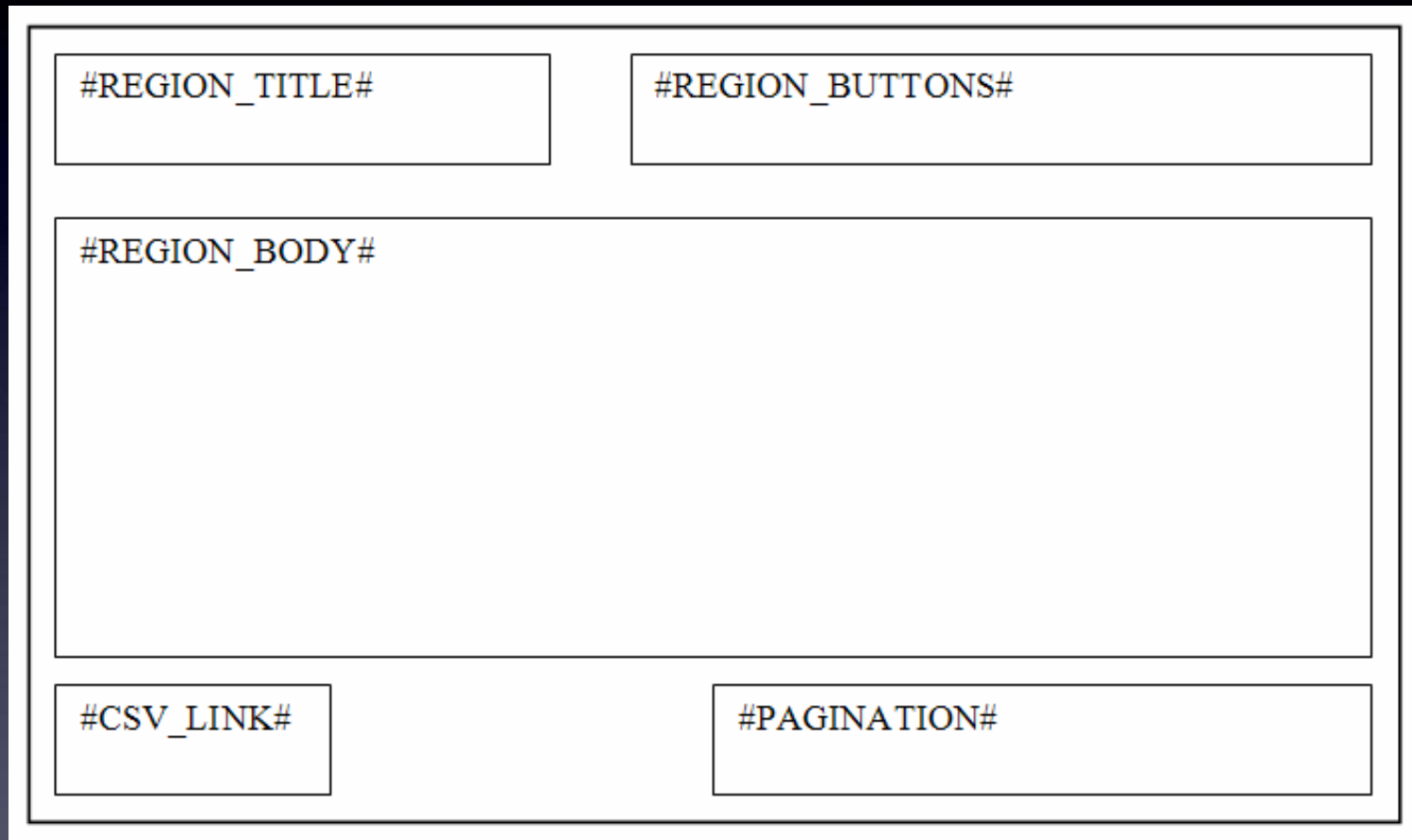
Tools

- Paint (images)
- http://www.gifworks.com/cgi-bin/gifworks.pl?com=transfer_open
- Adobe Photoshop (images, pictures)
- First Page 2006 (html)
- Top Style Pro (.css)
- Aptana IDE (javascript)
- Ultra Edit (text, code)
- Multiple Browser (IE, FF, Opera)
- Browser Plugins for FF

Layout Planning – Page



Layout Planning – Region



Using WYSIWYG Editor – Page

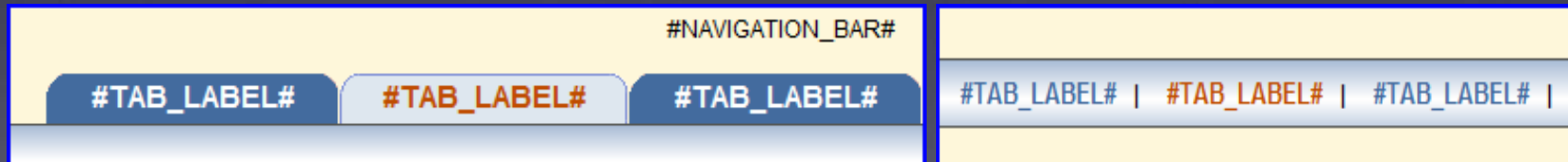
```
<html lang="&BROWSER_LANGUAGE." xmlns="http://www.w3.org/1999/xhtml"
xmlns:html="http://www.w3.org/1999/xhtml" xmlns:oracle="http://www.oracle.com/html" >
<head><link rel="stylesheet" href="D:\Apex Training\aw10\theme_V3.css" type="text/css" />
#HEAD#<title>#TITLE#</title></head>
<body #ONLOAD#><noscript>&MSG_JSCRIPT.</noscript>#FORM_OPEN#<a name="PAGETOP"></a>
<table class="taw10_Page" summary="" cellpadding="0" cellspacing="0" border="0"
width="100%"><tr><td>
<table summary="" cellpadding="0" cellspacing="0" border="0" width="100%">
<tr><td valign="top"><a id="t10aw_Logo2" href="#">#LOGO#</a></td>
<td width="100%" valign="top">#REGION_POSITION_08#</td>
<td class="t10aw_NavBar" valign="top">#NAVIGATION_BAR#</td></tr>
```

Internet Explorer

#HEAD# #FORM_OPEN# #LOGO# #REGION_POSITION_08#	#NAVIGATION_BAR#
#TAB_CELLS#	#PARENT_TAB_CELLS#
#REGION_POSITION_01#	
#SUCCESS_MESSAGE##NOTIFICATION_MESSAGE##GLOBAL_NOTIFICATION#	
#REGION_POSITION_06# #BOX_BODY# #REGION_POSITION_02##REGION_POSITION_03# #REGION_POSITION_04##REGION_POSITION_05#	#REGION_POSITION_0
&USER. &BROWSER_LANGUAGE. Version #APP_VERSION#	&MSG_COPYRIGHT.
#FORM_CLOSE#	

Using WYSIWYG Editor – Tabs

```
<div id="t10aw_PageTabsRight">
<table cellpadding="0" cellspacing="0" border="0" summary="" >
<tbody><tr><div ><td ></td>
<td class="t10aw_PageTabs3"><a href="#TAB_LINK#">#TAB_LABEL#</a></td>
<td ></td>
<td ></td>
<td class="t10aw_PageTabs4">#TAB_LABEL#</a></td>
<td ></td>
<td ></td>
<td class="t10aw_PageTabs3"><a href="#TAB_LINK#">#TAB_LABEL#</a></td>
<td ></td></div>
</tr></tbody></table>
</div>
<table id="t10aw_SubtabTop2" width="100%">
<tr>
<td width="10%"><span class="OffC"><a href="#TAB_LINK#">#TAB_LABEL#</a></span><b> | </b></td>
<td width="10%"><span class="OnC">#TAB_LABEL#</span><b> | </b></td>
<td><span class="OffC"><a href="#TAB_LINK#">#TAB_LABEL#</a></span><b> | </b></td>
</tr>
</table>
```



Using WYSIWYG Editor – Complete Page

Internet Explorer

#HEAD# #FORM_OPEN#
#LOGO# #REGION_POSITION_08#

#NAVIGATION_BAR#

#TAB_LABEL# #TAB_LABEL# #TAB_LABEL#


#TAB_LABEL# | #TAB_LABEL# | #TAB_LABEL# |

#REGION_POSITION_01#

#SUCCESS_MESSAGE##NOTIFICATION_MESSAGE##GLOBAL_NOTIFICATION#

#REGION_POSITION_06# #REGION_POSITION_0

#TITLE# #CLOSE# #PREVIOUS##NEXT##DELETE##EDIT# #CHANGE##CREATE##CREATE2##EXPAND##COPY##HELP#
#BODY#



#REGION_POSITION_02##REGION_POSITION_03#
#REGION_POSITION_04##REGION_POSITION_05#

&USER. &BROWSER_LANGUAGE. | Version #APP_VERSION# #MSG_COPYRIGHT.

#FORM_CLOSE#

Creating a css File

Referenced in the page header

You can reference multiple css files

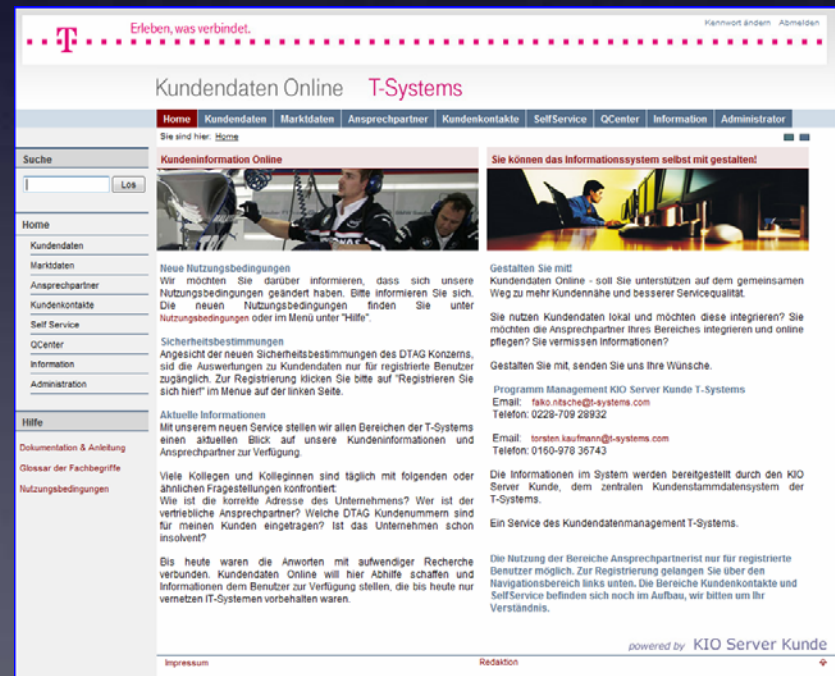
```
<html lang="&BROWSER_LANGUAGE." xmlns="http://www.w3.org/1999/xhtml"
xmlns:htmldb="http://htmldb.oracle.com">
<head>
<link rel="stylesheet" href="D:\Apex Training\aw10\theme_V3.css" type="text/css" />
#HEAD#
<title>#TITLE#</title>
</head>
```

Reference multiple css paths using Substitution Strings – for multiple layouts

```
<html lang="&BROWSER_LANGUAGE." xmlns="http://www.w3.org/1999/xhtml"
xmlns:htmldb="http://htmldb.oracle.com">
<head>
<link rel="SHORTCUT ICON" href="#IMAGE_PREFIX#themes/theme_tsystems&T_LAYOUT./favicon.ico" >
<link rel="stylesheet" href="#IMAGE_PREFIX#themes/theme_tsystems&T_LAYOUT./stylesStandard.css"
type="text/css" />
<link rel="stylesheet" href="#IMAGE_PREFIX#themes/theme_tsystems&T_LAYOUT./theme_V3.css"
type="text/css" />
#HEAD#
<title>#TITLE#</title>
</head>
<body #ONLOAD#><noscript>&MSG_JSCRIPT.</noscript>#FORM_OPEN#<a name="PAGETOP"></a>
```

css File – Multiple Paths for Multiple Layouts

f?p=&APP_ID.:1:&SESSION.:SET_USER:::T_LAYOUT:_02



css File – Multiple Paths for Multiple Layouts

Home > Application Builder > Application 1114 > Shared Components > Application Computations > [Create / Edit Application Computation](#)

Application Computation

Show All | Item | Frequency | Computation | Authorization | Conditions | Configuration | Comments

Item

Application: **1114 KundeninfoOnline**
Sequence: 10
* Computation Item: T_LAYOUT

Frequency

Computation Point: On New Instance (e.g. On Login)

Computation

Computation Type: Static Assignment

* Computation
_01

Computation Error Message

Authorization

Authorization Scheme
- No Authorization Required -

Conditions

Condition Type
Value of Item in Expression 1 Is NULL

[PL/SQL] [item=value] [item not null] [request=e1] [page in] [page not in] [exists] [none] [never]

Expression 1
T_LAYOUT

css File – Multiple Paths for Multiple Layouts

Home > Application Builder > Application 1114 > Shared Components > Application Processes > [Edit Application Process](#)

Application Process

Show All | Name | Source | Conditions | Authorization | Configuration | Comments | Subscription

Name

Application: 1114 KundeninfoOnline

Sequence: 1

Process Point: On Load: After Footer (page template footer)

Name: SET_USER_PREFERENCE

Type: PL/SQL Anonymous Block

Source

Process Text

```
BEGIN
  UPDATE xlib_users SET usr_preference = :T_LAYOUT
  WHERE usr_name = :APP_USER;
END;
```

Process Error Message

Error Updating User Preference!

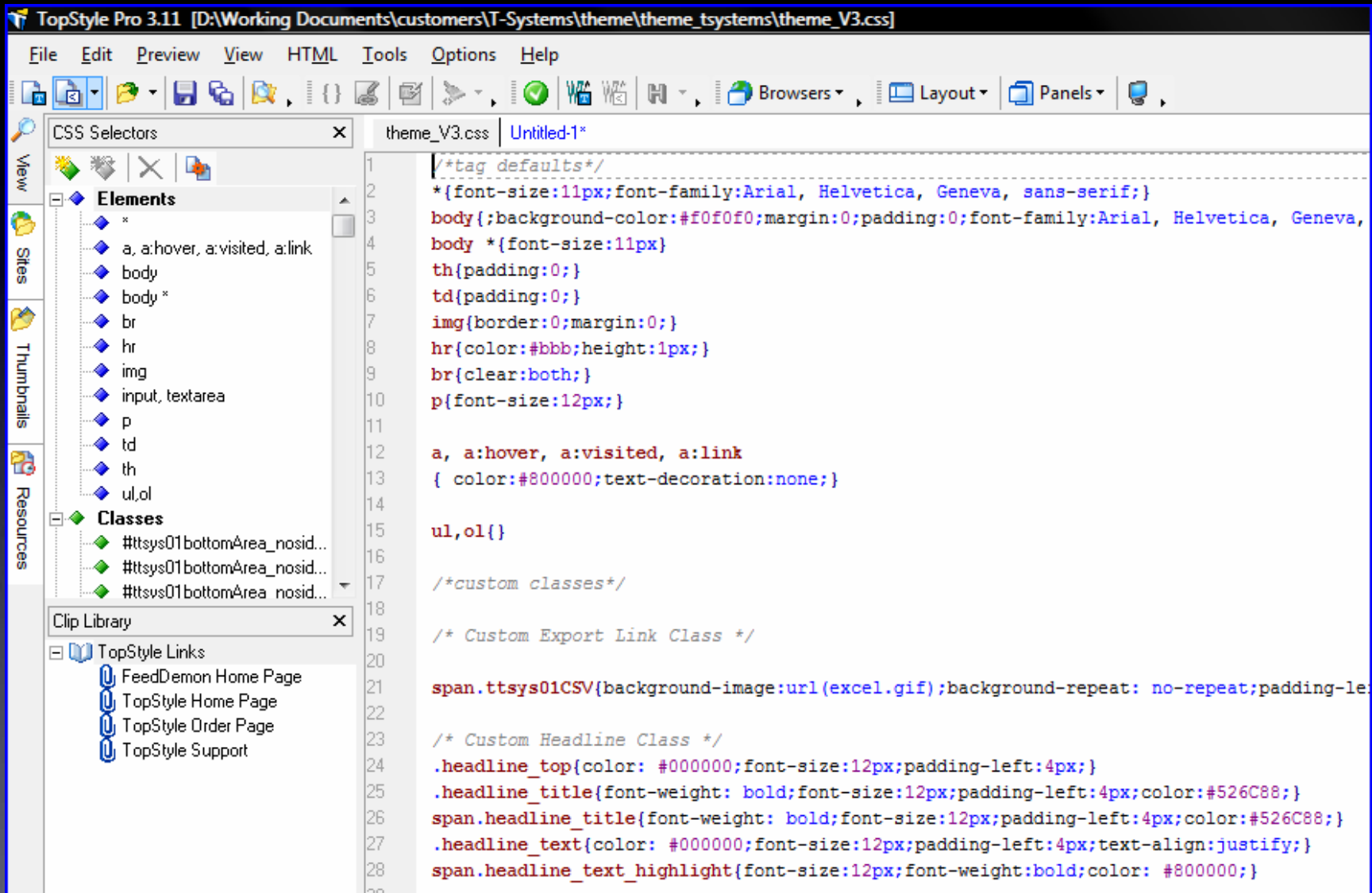
Conditions

Condition Type: Request Is Contained within Expression 1

[PL/SQL] [item=value] [item not null] [request=e1] [page in] [page not in] [exists] [none] [never]

Expression 1: SET_USER

css File – using a css Editor



css File – properties

a css file contains of

a) elements (*, a, a:href, body, br, td, tr...)

```
body *{font-size:12px;}
th{padding:0;}
td{padding:0;}
img{border:0;margin:0;}
hr{color:#bbb;height:1px;}
```

b) classes (subclasses) and

```
table.taw10_Button1 td.taw10_R img{display:block}
table.taw10_Button1 td.taw10_L img{display:block}
table.taw10_Button1{color:#FFFFFF;display:inline;}
table.taw10_Button1 td.taw10_C
{white-space:nowrap;background-color:#436B9E;}
```

c) ID's

```
#t10aw_Logo2{float:left;padding:2px;}
```

css File – references

Internet

<http://de.selfhtml.org/css/>

<http://codepunk.hardwar.org.uk/>

http://www.w3schools.com/css/css_reference.asp

<http://www.csszengarden.com/>

Creating a New Theme

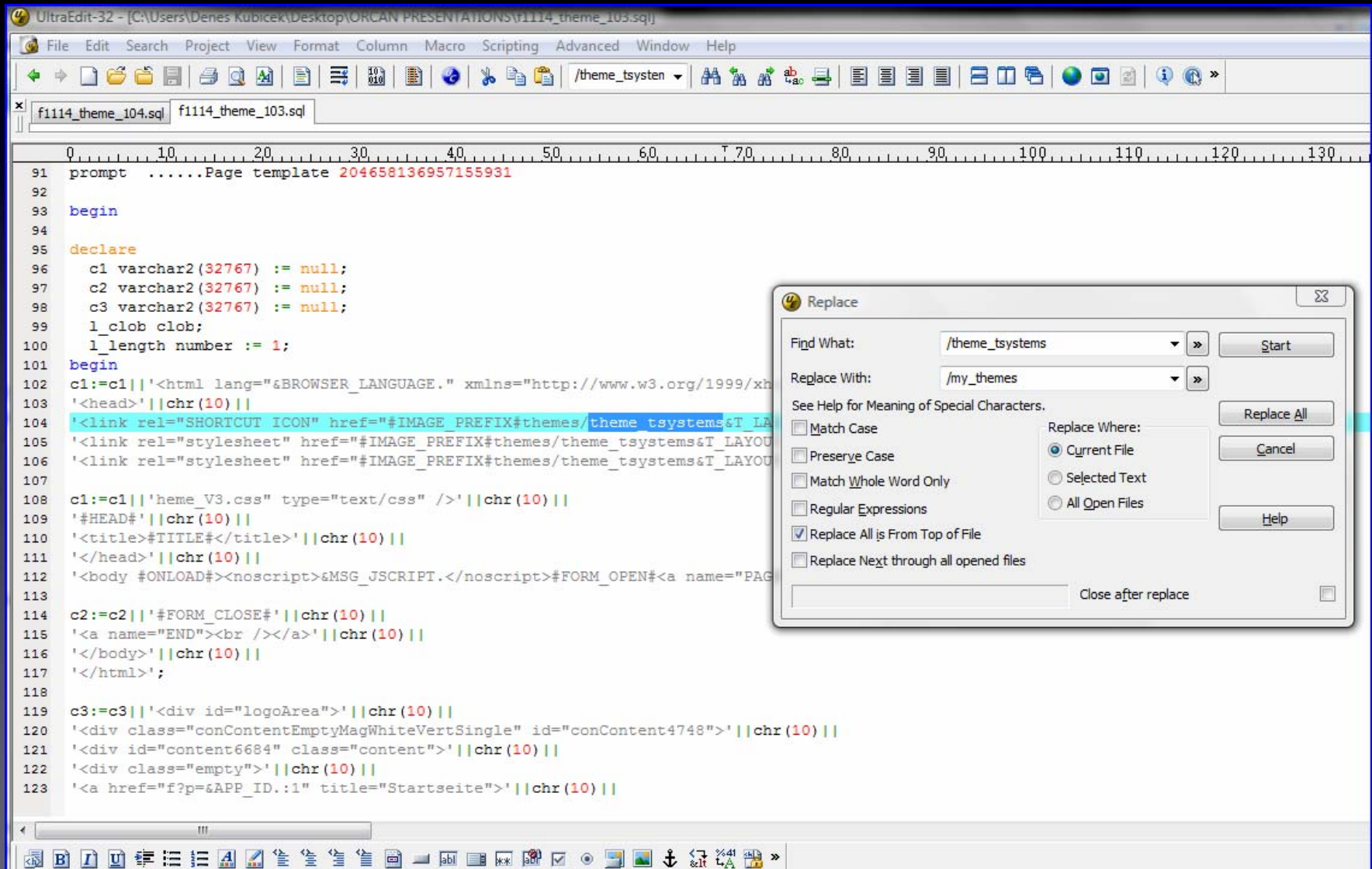
You can create a new Theme:

- as a copy of an existing theme – theme export
- from scratch
- from the Repository



Creating a New Theme

Use a good text editor to replace the paths in a theme export file



Creating a New Theme

Use a good text editor to validate the changes

```
Textvergleich - UltraCompare Professional
Datei Bearbeiten Ansicht Modus Optionen Übernahme Fenster Hilfe

C:\Users\DENESK~1\AppData\Local\Temp\Edit.txt
319
320 --application/shared_components/user_interface/templates/page/no_tabs
321 prompt .....Page template 204660715132160700
322
323 begin
324
325 declare
326 c1 varchar2(32767) := null;
327 c2 varchar2(32767) := null;
328 c3 varchar2(32767) := null;
329 l_clob clob;
330 l_length number := 1;
331
332 begin
333 c1:=c1||'<html lang="sBROWSER_LANGUAGE." xmlns="http://www.w3.org/1999/xhtml" xmlns:html="http://www.w3.org/1999/xhtml" >' || chr(10) ||
334 * '<link rel="SHORTCUT ICON" href="#IMAGE_PREFIX#themes/my_themes/T_LAYOUT./favicon.ico" >' || chr(10) ||
335 * '<link rel="stylesheet" href="#IMAGE_PREFIX#themes/my_themes/T_LAYOUT./stylesStandard.css" type="text/css" >' || chr(10) ||
336 * '<link rel="stylesheet" href="#IMAGE_PREFIX#themes/my_themes/T_LAYOUT./t';
337
338 c1:=c1||'#heme_V3.css" type="text/css" />' || chr(10) ||
339 '#HEAD#' || chr(10) ||
340 '<title>#TITLE#</title>' || chr(10) ||
341 '</head>' || chr(10) ||
342 '<body #ONLOAD#><noscript>MSG_JSCRIPT.</noscript>#FORM_OPEN#<a name="PAGETOP"></a>';
343
344 c2:=c2||'#FORM_CLOSE#' || chr(10) ||
345 '<a name="END"><br /></a>' || chr(10) ||
346 '</body>' || chr(10) ||
347 '</html>';
348
349 c3:=c3||'<div id="logoArea">' || chr(10) ||
350 '<div class="conContentEmptyMagWhiteVertSingle" id="conContent4748">' || chr(10) ||
351 '<div id="content6684" class="content">' || chr(10) ||
352 '<div class="empty">' || chr(10) ||
353 '<a href="#f?p=sAPP_ID.:1" title="Startseite">' || chr(10) ||
354 * '' || chr(10) ||
355 '</a>' || chr(10) ||
356 '</div>' || chr(10) ||
357 '' || chr(10) ||
358 '</div>' || chr(10) ||
359 '<div class="conFooter">' || chr(10) ||
360 '</div>' || chr(10) ||
361 '</div>' || chr(10) ||
362 '</div>' || chr(10) ||

C:\Users\DENESK~1\AppData\Local\Temp\Edit1.txt
319
320 --application/shared_components/user_interface/templates/page/no_tabs
321 prompt .....Page template 204660715132160700
322
323 begin
324
325 declare
326 c1 varchar2(32767) := null;
327 c2 varchar2(32767) := null;
328 c3 varchar2(32767) := null;
329 l_clob clob;
330 l_length number := 1;
331
332 begin
333 c1:=c1||'<html lang="sBROWSER_LANGUAGE." xmlns="http://www.w3.org/1999/xhtml" xmlns:html="http://www.w3.org/1999/xhtml" >' || chr(10) ||
334 * '<link rel="SHORTCUT ICON" href="#IMAGE_PREFIX#themes/theme_tsystems/T_LAYOUT./favicon.ico" >' || chr(10) ||
335 * '<link rel="stylesheet" href="#IMAGE_PREFIX#themes/theme_tsystems/T_LAYOUT./stylesStandard.css" type="text/css" >' || chr(10) ||
336 * '<link rel="stylesheet" href="#IMAGE_PREFIX#themes/theme_tsystems/T_LAYOUT./t';
337
338 c1:=c1||'#heme_V3.css" type="text/css" />' || chr(10) ||
339 '#HEAD#' || chr(10) ||
340 '<title>#TITLE#</title>' || chr(10) ||
341 '</head>' || chr(10) ||
342 '<body #ONLOAD#><noscript>MSG_JSCRIPT.</noscript>#FORM_OPEN#<a name="PAGETOP"></a>';
343
344 c2:=c2||'#FORM_CLOSE#' || chr(10) ||
345 '<a name="END"><br /></a>' || chr(10) ||
346 '</body>' || chr(10) ||
347 '</html>';
348
349 c3:=c3||'<div id="logoArea">' || chr(10) ||
350 '<div class="conContentEmptyMagWhiteVertSingle" id="conContent4748">' || chr(10) ||
351 '<div id="content6684" class="content">' || chr(10) ||
352 '<div class="empty">' || chr(10) ||
353 '<a href="#f?p=sAPP_ID.:1" title="Startseite">' || chr(10) ||
354 * '' || chr(10) ||
355 '</a>' || chr(10) ||
356 '</div>' || chr(10) ||
357 '' || chr(10) ||
358 '</div>' || chr(10) ||
359 '<div class="conFooter">' || chr(10) ||
360 '</div>' || chr(10) ||
361 '</div>' || chr(10) ||
362 '</div>' || chr(10) ||
```

Importing and Installing a New Theme

Import and install the new created theme

Specify File Cancel Next >

Select the file you wish to import to the export repository. Once imported, you can install your file.


If the imported file is a packaged application export, the installation wizard will allow you to run the packaged installation scripts after installing the application definition.

* Import file: C:\Users\Denes Kubicek\Desktop\ORCAN PRESENTATIONS\f Durchsuchen...

* File Type: Theme Export

File Character Set: Unicode UTF-8


Successfully Imported File Cancel < Previous Next >

 The export file has been imported successfully.

If you wish to Install now, click **Next >**.


You can also install this file at a later time by navigating to the Export Repository.


Install Theme Cancel Install Theme

 Export File Version: 2009.01.12
Exported From Application ID: 1114
Exported Theme ID: 103
Exported Theme Name: TSystems Theme 02
Install Into Application: 1114 KundeninfoOnline
Action: **New theme will be created in application 1114.**

Themes Reports

Theme View Icons Display 15 Go

 TSystems Theme 02 - 103 *

 TSystems Theme 02 - 104

Switching to the New Theme

The switch process will check if you have all the theme classes required

Switch Theme Cancel Next >

A theme is a collection of templates. When you switch a theme, all templates assigned to components within one theme are assigned to templates in another theme. Application Express accomplishes template mapping through the assignment of template class identifiers.

Application: **1114 - KundeninfoOnline**
 Currently Active Theme: **103. TSystems Theme 02**
 Switch to Theme: **104. TSystems Theme 02** ▼

Template Type ▲	From Template Class	To Template Class	Status
Breadcrumb	Breadcrumb Menu	Breadcrumb Menu	✓
Button	Button	Button	✓
Label	Optional Label with Help	Optional Label with Help	✓
	Optional Label	Optional Label	✓
	No Label	No Label	✓
List	Vertical Sidebar List	Vertical Sidebar List	✓
Page	Login	Centered With Navbar ▼	Warning
	No Tabs, No Navbar	No Tabs ▼	Warning
	One Level Tabs with Sidebar	One Level Tabs with Sidebar	✓
	Simple	Simple	✓
	One Level Tabs	One Level Tabs	✓
	Centered With Navbar	Centered With Navbar ▼	Warning
Region	Breadcrumb Region	Breadcrumb Region	✓
	Reports Region - Pink, Nomargin Top-Left	Reports Region - Blue ▼	Warning
	Sidebar Region List	Sidebar Region ▼	Warning
	Sidebar Region List Hide	Sidebar Region ▼	Warning
	Reports Region - Blue	Reports Region - Blue ▼	Warning

Using Javascript and Ajax to enhance your Webpages

Using javascript for images and regions

```
$x('t10aw_Logo2').style.width = "300px"  
$x('t10aw_Logo2').style.height = "80px"  
$x('t10aw_Logo2').style.backgroundImage = "url(/i/themes/aw10/opal-logo.gif)"  
$x('t10aw_Logo2').style.backgroundRepeat = "no-repeat"  
$x('t10aw_Logo2').style.backgroundPosition = "5"  
$x('t10aw_Logo2').style.backgroundColor = "white"
```

 **Entwicklung** 

[Angebote - Übersicht](#) | [Angebotserstellung](#) |

[Angebotserstellung](#)

Angebotskopf

[Form leeren](#) [Speichern](#)

Angebot Nr.	Version	Kunde
<input type="text" value="50016"/>	<input type="text" value="1"/>	<input type="text" value="AGK Hochleistungswerkstoff GmbH"/>



 **Entwicklung** 

[Angebote - Übersicht](#) | [Angebotserstellung](#) |

[Angebotserstellung](#)

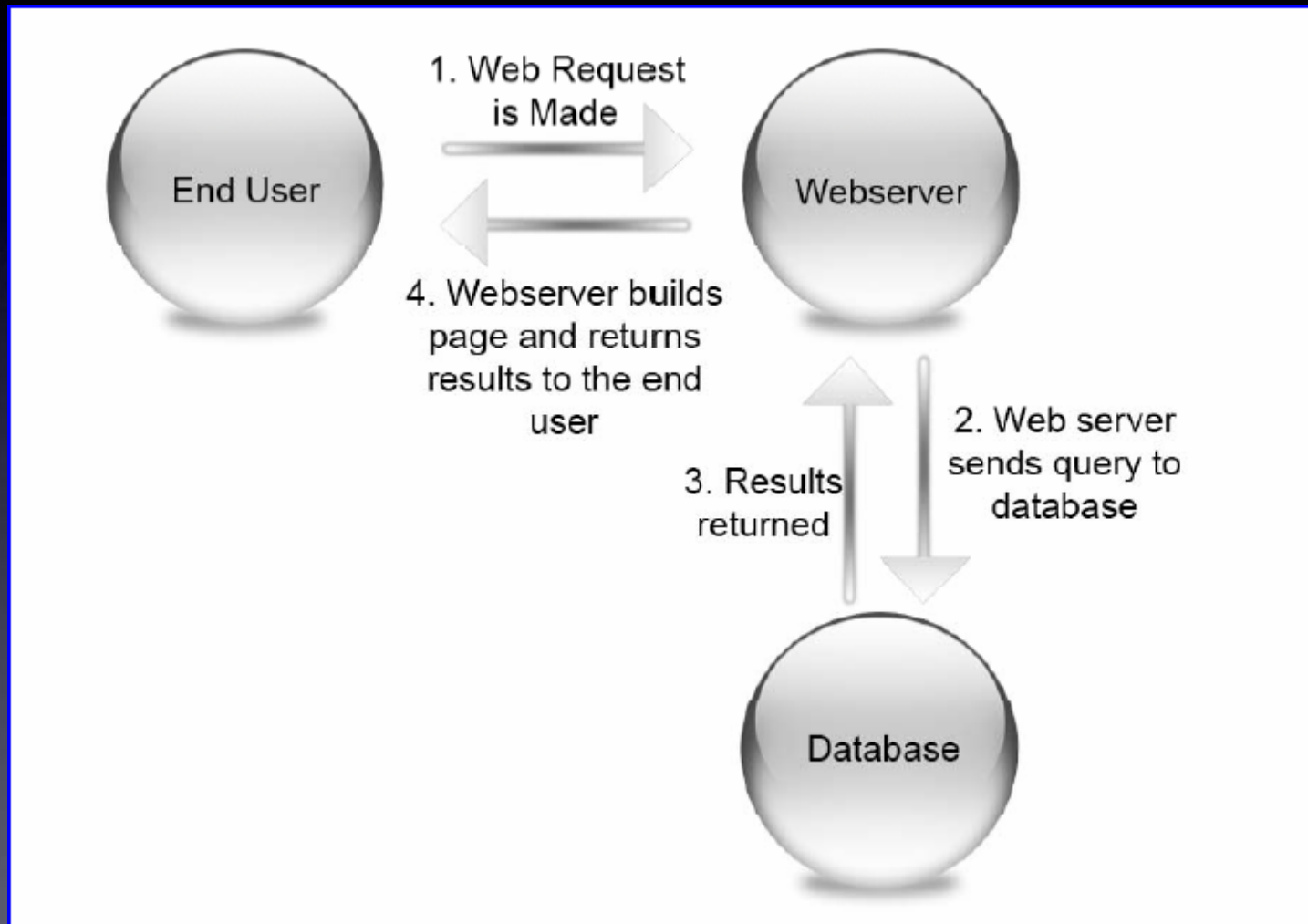
Angebotskopf

[Form leeren](#) [Speichern](#)

Angebot Nr.	Version	Kunde
<input type="text" value="50016"/>	<input type="text" value="1"/>	<input type="text" value="AGK Hochleistungswerkstoff GmbH"/>

Using Javascript and Ajax to enhance your Webpages

How does Ajax work in Apex?



Using Javascript and Ajax to enhance your Webpages

Creating Ajax Cascading Select Lists - Javascript

Klasse

Computer Bücher

- Item-Klasse wählen -

Computer Bücher

Kochbücher

Beletristik

Subklasse

- Item-Subklasse wählen -

- Item-Subklasse wählen -

HTML und WEB

PL / SQL

Javascript

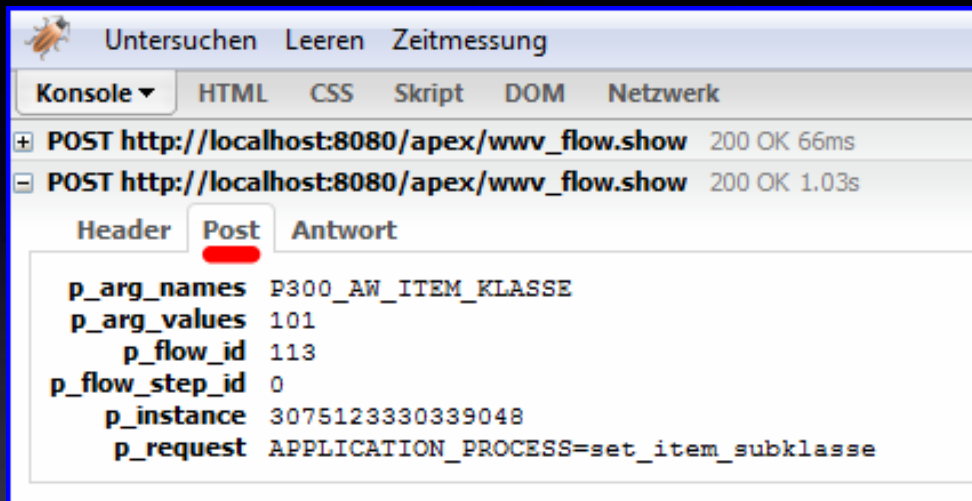
Datenbank

ApEx

```
<script language="JavaScript" type="text/javascript">
function f_set_item_subklasse(pThis, pSelect){
    var l_Return = null;
    var l_Select = $x(pSelect);
    var get = new htмлdb_Get(null,$x('pFlowId').value,
'APPLICATION_PROCESS=set_item_subklasse',0);
    get.add(pThis,$x(pThis).value);
    gReturn = get.get('XML');
    //alert(gReturn);
    if(gReturn && l_Select){
        var l_Count =
gReturn.getElementsByTagName("option").length;
        l_Select.length = 0;
        for(var i=0;i<l_Count;i++){
            var l_Opt_Xml =
gReturn.getElementsByTagName("option")[i];
            appendToSelect(l_Select,
l_Opt_Xml.getAttribute('value'),
l_Opt_Xml.firstChild.nodeValue)}}
        get = null; }
    function appendToSelect(pSelect, pValue, pContent) {
        var l_Opt = document.createElement("option");
        l_Opt.value = pValue;
        if(document.all){
            pSelect.options.add(l_Opt);
            l_Opt.innerText = pContent;
        }else{
            l_Opt.appendChild(document.createTextNode(pContent));
            pSelect.appendChild(l_Opt);
        }
    }
}
</script>
```

Using Javascript and Ajax to enhance your Webpages

Creating Ajax Cascading Select Lists – Firebug Report



Untersuchen Leeren Zeitmessung

Konsole ▾ HTML CSS Skript DOM Netzwerk

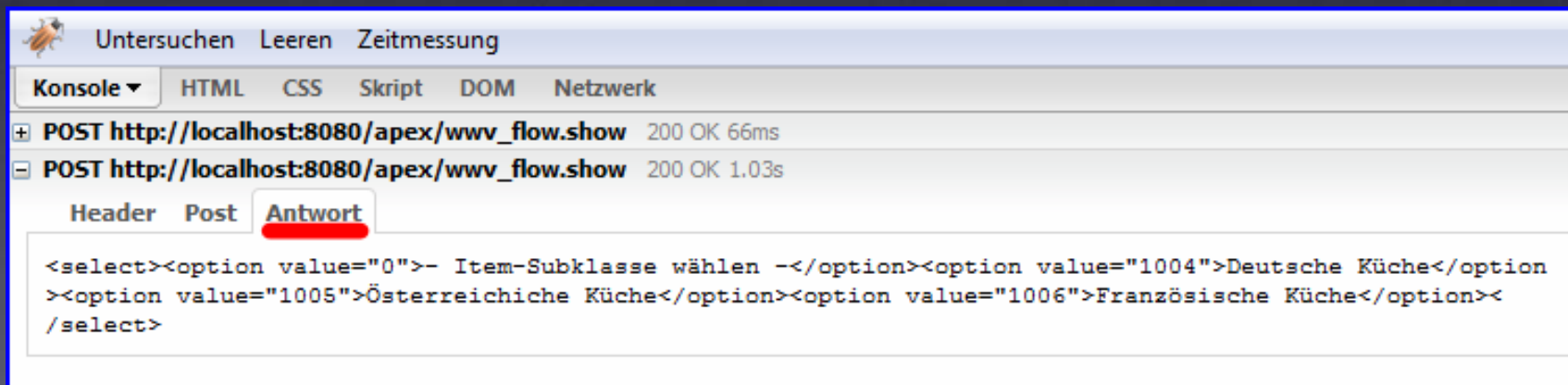
⊕ POST http://localhost:8080/apex/www_flow.show 200 OK 66ms

⊖ POST http://localhost:8080/apex/www_flow.show 200 OK 1.03s

Header Post Antwort

Post

p_arg_names P300_AW_ITEM_KLASSE
p_arg_values 101
p_flow_id 113
p_flow_step_id 0
p_instance 3075123330339048
p_request APPLICATION_PROCESS=set_item_subklasse



Untersuchen Leeren Zeitmessung

Konsole ▾ HTML CSS Skript DOM Netzwerk

⊕ POST http://localhost:8080/apex/www_flow.show 200 OK 66ms

⊖ POST http://localhost:8080/apex/www_flow.show 200 OK 1.03s

Header Post Antwort

Antwort

```
<select><option value="0">- Item-Subklasse wählen -</option><option value="1004">Deutsche Küche</option><option value="1005">Österreichische Küche</option><option value="1006">Französische Küche</option></select>
```

Using Javascript and Ajax to enhance your Webpages

Creating Ajax Cascading Select Lists – Application Process

Application Process

Show All | Name | Source | Conditions | Authorization | Configuration | Comments | Subscription

Name

Application: 113 AW_ANGEBOTSMANAGEMENT

Sequence 10300

Process Point On Demand: Run this application process when requested by a page process.

Name set_item_subklasse

Type PL/SQL Anonymous Block

```
BEGIN
    OWA_UTIL.mime_header ('text/xml', FALSE);
    HTP.p ('Cache-Control: no-cache');
    HTP.p ('Pragma: no-cache');
    OWA_UTIL.http_header_close;
    HTP.prn ('<select>');
    HTP.prn (    '<option value="'
                || 0
                || '>'
                || '- Item-Subklasse wählen -'
                || '</option>'
            );

    FOR c IN (SELECT aw_subklasse_beschreibung d, aw_subklasse_id r
                FROM aw_items_subklasse_lov
                WHERE aw_klasse_id = :p300_aw_item_klasse)
    LOOP
        HTP.prn ('<option value="' || c.r || '>' || c.d || '</option>');
    END LOOP;

    HTP.prn ('</select>');
END;
```

Using Javascript and Ajax to enhance your Webpages

Using Ajax for Drop-Down Lists – Populating a Report

Kunde

- Aboni GmbH
- & Metallverarbeitung
- Christel GmbH & Co.
- Helmbrechts AG
- KG Nehl & Co.
- Kunden wählen -
- A & E Applikation und Entwicklung
- A Raymond GmbH & Co. KG
- Abacus Consulting GmbH
- ABB Automation GmbH
- abc
- Aberle verarbeitung GmbH
- Aboni GmbH**
- A.B.S. GmbH
- acad engineering OHG
- ACI Laser GmbH
- Acot Deutschland GmbH
- ACS Deutschland GmbH
- AdduXi Deutschland GmbH
- Adler technik
- Admodum AG



Kundeninformationen

Kunden Nr	2562
Strasse	Industriezentrum 23
PLZ	32139
Stadt	Spenge
Bundesland	Nordrhein-Westfalen
Land	Deutschland
Ust. ID	DE812054107

Artikel pro Angebot

Abbrechen Löschen Hinzufügen Speichern

Line ID	Produkt	Produkt Beschreibung	Menge	Preis	Rabatt %	Line Total
	- Item wählen --		1		0	
Tot:						0

DMIN de | Version 1.0.0.0

Home Application 113 Edit Page 10 Create Session Activity Debug Show Edit Links

Artikel pro Angebot

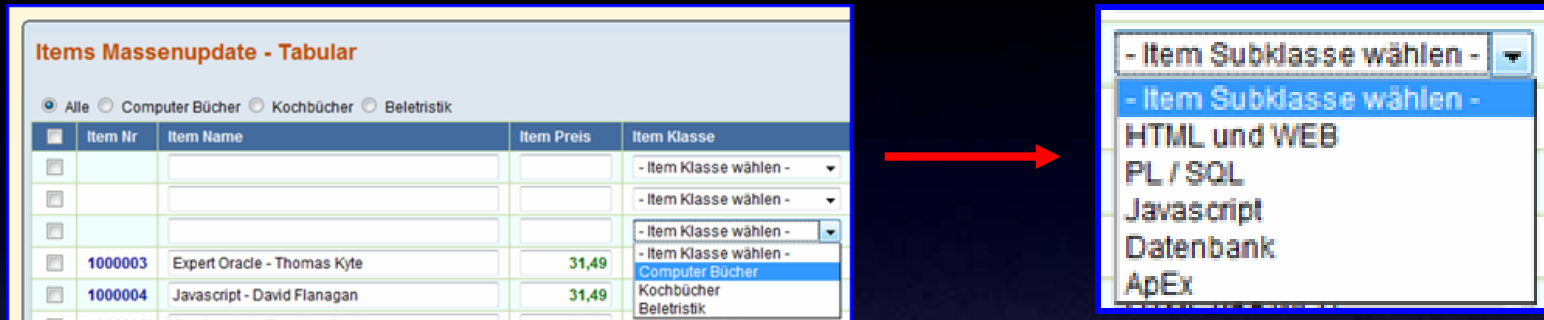
Abbrechen Löschen Hinzufügen Speichern

Line ID	Produkt	Produkt Beschreibung	Menge	Preis	Rabatt %	Line Total
	CSS Mastery - Andy Budd	HTML und WEB	1	21,91	0	21,91
Tot:						0

Export to .csv

Using Javascript and Ajax to enhance your Webpages

Using Ajax for Drop-Down Lists – Tabular Forms



The image shows two screenshots from a web application. The left screenshot, titled "Items Massenupdate - Tabular", displays a table with columns for "Item Nr", "Item Name", "Item Preis", and "Item Klasse". The table contains two rows of data: "Expert Oracle - Thomas Kyte" with price 31,49 and "Javascript - David Flanagan" with price 31,49. Each row has a dropdown menu for "Item Klasse". The right screenshot shows a dropdown menu for "Item Subklasse wählen" with options: "HTML und WEB", "PL / SQL", "Javascript", "Datenbank", and "ApEx". A red arrow points from the dropdown in the table to the expanded dropdown menu.

```
SELECT ...
apex_item.select_list_from_query
  (35, aw_item_klasse,
    'SELECT aw_klasse_beschreibung d, '
    || 'aw_klasse_id r FROM aw_items_klasse_lov',
    'style="width:170px" '
    || 'onchange="f_set_casc_sel_list_item(this,'
    || 'f36_, || LPAD (ROWNUM, 4, '0')
    || ')"', 'YES', '0',
    '- Item Klasse wählen -',
    'f35_' || LPAD (ROWNUM, 4, '0'), NULL, 'NO'
  ) aw_item_klasse,
apex_item.select_list_from_query
  (36, aw_item_subklasse,
    'SELECT aw_subklasse_beschreibung d, '
    || 'aw_subklasse_id r FROM aw_items_subklasse_lov '
    || 'WHERE aw_klasse_id = '
    || aw_item_klasse,
    'style="width:170px"',
    'YES', '0', '- Item Subklasse wählen -',
    'f36_' || LPAD (ROWNUM, 4, '0'), NULL, 'NO') aw_item_subklasse
FROM table
```


Using Javascript and Ajax to enhance your Webpages

Using DHTML Reports without Submitting a page

Kundenpflege

[Form leeren](#) [Suchen](#)

Kunden Nr. Kunden Name Strasse PLZ


Stadt Bundesland Land Ust. ID


Erstellt am Erstellt von Geändert von Geändert am

Modus
 Editieren Suchen

Anzahl Zeilen: Gefunden 1 Datensätze. Dauer 0.00 Sekunden.

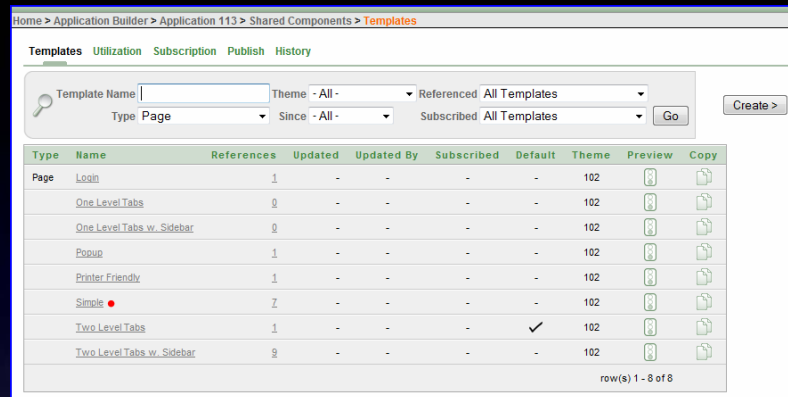
Bericht - Kundensuche

Link	Kunden Nr	Kunden Name	Strasse	PLZ	Stadt	Land	Ust. ID	
Edit	2775	MK-Dienstleistungen	Im großen Gunterstal 6	66440	Blieskastel	Deutschland	DE811344729	

[Export als .csv](#) 

Using Javascript and Ajax to enhance your Webpages

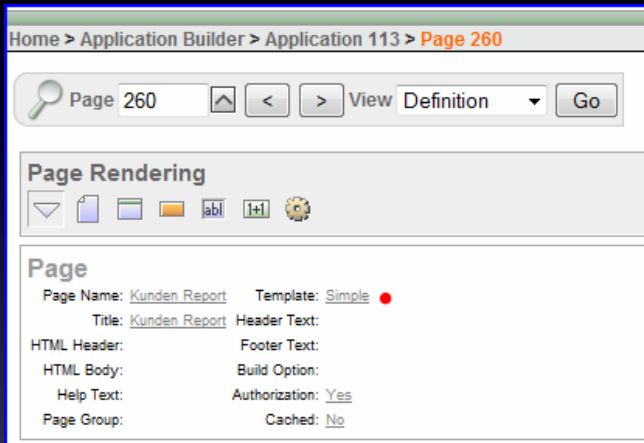
Create a simple template without styles for the page



```
<htmldb:SUCCESS_MESSAGE><div
id="SUCCESS_MESSAGE">#SUCCESS_MESSAGE#</div></htmldb:SUCCESS_MESSAGE>
<htmldb:NOTIFICATION_MESSAGE><div
id="NOTIFICATION_MESSAGE">#NOTIFICATION_MESSAGE#</div></htmldb:NOTIFICATION_MESSAGE>
<htmldb:GLOBAL_NOTIFICATION><div
id="GLOBAL_NOTIFICATION">#GLOBAL_NOTIFICATION#</div></htmldb:GLOBAL_NOTIFICATION>
<htmldb:REGION_POSITION_01><div
id="REGION_POSITION_01">#REGION_POSITION_01#</div></htmldb:REGION_POSITION_01>
<htmldb:REGION_POSITION_02><div
id="REGION_POSITION_02">#REGION_POSITION_02#</div></htmldb:REGION_POSITION_02>
<htmldb:REGION_POSITION_03><div
id="REGION_POSITION_03">#REGION_POSITION_03#</div></htmldb:REGION_POSITION_03>
<htmldb:REGION_POSITION_04><div
id="REGION_POSITION_04">#REGION_POSITION_04#</div></htmldb:REGION_POSITION_04>
<htmldb:REGION_POSITION_05><div
id="REGION_POSITION_05">#REGION_POSITION_05#</div></htmldb:REGION_POSITION_05>
<htmldb:REGION_POSITION_06><div
id="REGION_POSITION_06">#REGION_POSITION_06#</div></htmldb:REGION_POSITION_06>
<htmldb:REGION_POSITION_08><div
id="REGION_POSITION_08">#REGION_POSITION_08#</div></htmldb:REGION_POSITION_08>
<htmldb:BOX_BODY><div id="BOX_BODY">#BOX_BODY#</div></htmldb:BOX_BODY>
```

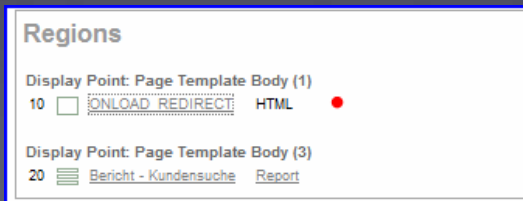
Using Javascript and Ajax to enhance your Webpages

Place the DHTML report on a separate page and assign the “Simple Template” to the page



Create a “no-template” region and put the following in the region footer

```
<script>  
redirect('f?p=&APP_ID.:200:&SESSION.:&P260_REGION_ID.:NO::&pg_min_row=1');  
</script>
```



Using Javascript and Ajax to enhance your Webpages

On the source page you will need a piece of javascript in the page header

```
<script language="JavaScript" type="text/javascript">
function dhtml_GetReport (pThis){
var l_Val = pThis;
var get = new htmldb_Get(null,html_GetElement('pFlowId').value,null,260);
  get.add('P260_ID',l_Val)
gReturn = get.get(null,'<htmldb:BOX_BODY>','</htmldb:BOX_BODY>');
get = null;
html_GetElement('ReportDrop1').innerHTML = gReturn;
return;
}
</script>
```

and a “no-template” region with the source

```
<div id="ReportDrop1"><br /></div>
```

Regions

Display Point: Page Template Body (3) ▾ ▲

10	<input type="checkbox"/>	Kundenpflege	HTML
20	<input type="checkbox"/>	Get Report DHTML	HTML

Creating Multiple Regions in One Region

If you have a requirement to put multiple regions in one region...

R3 **R4** **R5** Suchen

ROW_NUM Suchen

Row Num	Datum
1	27.04.2009 16:26:20
2	28.04.2009 16:26:20
3	29.04.2009 16:26:20
4	30.04.2009 16:26:20
5	01.05.2009 16:26:20
6	02.05.2009 16:26:20
7	03.05.2009 16:26:20
8	04.05.2009 16:26:20
9	05.05.2009 16:26:20
10	06.05.2009 16:26:20
1-10	

 Export als .csv

Display Point:
Page Template Body (3)

Row Num	Datum
1	06.05.2009 16:26:20
2	07.05.2009 16:26:20
3	08.05.2009 16:26:20
4	09.05.2009 16:26:20
5	10.05.2009 16:26:20
6	11.05.2009 16:26:20
7	12.05.2009 16:26:20
8	13.05.2009 16:26:20
9	14.05.2009 16:26:20
10	15.05.2009 16:26:20
11	16.05.2009 16:26:20
12	17.05.2009 16:26:20
13	18.05.2009 16:26:20
14	19.05.2009 16:26:20
15	20.05.2009 16:26:20
1-15 16-17	

 Export als .csv

Row Num	Datum
1	17.04.2009 16:26:20
2	18.04.2009 16:26:20
3	19.04.2009 16:26:20
4	20.04.2009 16:26:20
5	21.04.2009 16:26:20
6	22.04.2009 16:26:20
7	23.04.2009 16:26:20
8	24.04.2009 16:26:20
9	25.04.2009 16:26:20
10	26.04.2009 16:26:20
11	27.04.2009 16:26:20
12	28.04.2009 16:26:20
13	29.04.2009 16:26:20
14	30.04.2009 16:26:20
1-14	

 Export als .csv

Creating Multiple Regions in One Region

...you could use a trick like this one – having one template for each region...

User Interface

Template: Combined Region Left fixed Height 450px * Sequence: 60

Display Point: Page Template Body (3. items above region content) Column: 1

[Body] [Pos.1] [Pos.2] [Pos.3] [Pos.4]

Region HTML table cell attributes

valign="top" align="left"

User Interface

Template: Combined Region Middle fixed Height 450px * Sequence: 70

Display Point: Page Template Body (3. items above region content) Column: 2

[Body] [Pos.1] [Pos.2] [Pos.3] [Pos.4]

Region HTML table cell attributes

User Interface

Template: Combined Region Right fixed Height 450px * Sequence: 80

Display Point: Page Template Body (3. items above region content) Column: 3

[Body] [Pos.1] [Pos.2] [Pos.3] [Pos.4]

Region HTML table cell attributes

Regions

Display Point: Page Template Body (2) ▾

10	<input type="checkbox"/>	R1	HTML
20	<input checked="" type="checkbox"/>	R1_BOTTOM	Report
30	<input type="checkbox"/>	SPACER	HTML (Column 2)
40	<input type="checkbox"/>	R2	HTML (Column 3)
50	<input checked="" type="checkbox"/>	R2_BOTTOM	Report (Column 3)

Display Point: Page Template Body (3) ▾

60	<input checked="" type="checkbox"/>	R3	Report
70	<input checked="" type="checkbox"/>	R4	Report (Column 2)
80	<input checked="" type="checkbox"/>	R5	Report (Column 3)

Creating Multiple Regions in One Region

...templates for regions on the left and in the middle...

```
<table class="t10aw_ReportsRegion3" id="#REGION_ID#" border="0" cellpadding="0"
cellspacing="0" summary="">
<tr>
<td></td>
<td class="t10aw_RegionHeader" colspan="3"></td>
<td></td>
</tr>
<tr>
<td class="t10aw_RegionLeft"></td>
<td class="t10aw_RegionTitle">#TITLE#<div style="height:10px"></td><td></td>
<td class="t10aw_ButtonHolder">#CLOSE#&nbsp; &nbsp; &nbsp; #PREVIOUS##NEXT##DELETE##EDIT#
#CHANGE##CREATE##CREATE2##EXPAND##COPY##HELP#</td>
<td class="t10aw_RegionRight"></td>
</tr>
```

```
<table class="t10aw_ReportsRegion3" id="#REGION_ID#" border="0" cellpadding="0"
cellspacing="0" summary="">
<tr>
<td></td>
<td class="t10aw_RegionHeader" colspan="3"></td>
<td></td>
</tr>
<tr>
<td class=""></td>
<td class="t10aw_RegionTitle">#TITLE#<div style="height:10px"></td><td></td>
<td class="t10aw_ButtonHolder">#CLOSE#&nbsp; &nbsp; &nbsp; #PREVIOUS##NEXT##DELETE##EDIT#
#CHANGE#
#CREATE##CREATE2##EXPAND##COPY##HELP#</td>
<td class=""></td>
</tr>
```


Creating Multiple Regions in One Region

...the following properties for the page template
MULTI COLUMN REGION TABLE ATTRIBUTES...

Multi Column Region Table Attributes

Region Table attributes

```
summary="" cellpadding="0" border="0" cellspacing="0" width=""
```

...and the proper styles applied to the regions.

```
td
{
padding-top: 0pt;
padding-right: 0pt;
padding-bottom: 0pt;
padding-left: 0pt;
}
```

Using Page 0 and Page Header

Page 0 may be used to overwrite the current css rules defined in the stylesheet

```
Source
Region Source
<style type="text/css">
.top_header{background-image:url(#WORKSPACE_IMAGES#Sorp2.gif);
background-repeat: no-repeat;background-position: 290px -45px;background-
color:#BFD0F4;}

.basf01overlapping{background-image:url(#WORKSPACE_IMAGES#Sorp2.gif);
background-repeat: no-repeat;background-position: 290px -15px;}

</style>

<!--[if gte IE 6]>
<style type="text/css">
#navigationArea{width:99%;}
</style>
<![endif]-->
```

...and it can be rendered conditionally

```
Conditional Display
Condition Type
Current Page Is Contained Within Expression 1 (comma delimited list of pages)
[PL/SQL] [item=value] [item not null] [request=e1] [page in] [page not in] [exists] [none] [never]
Expression 1
1, 2, 3, 4
```

Using Page 0 and Page Header

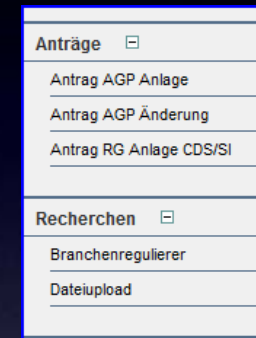
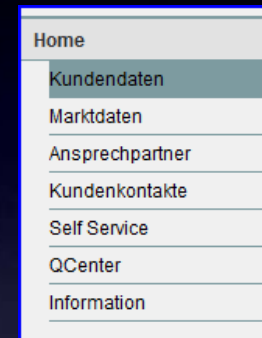
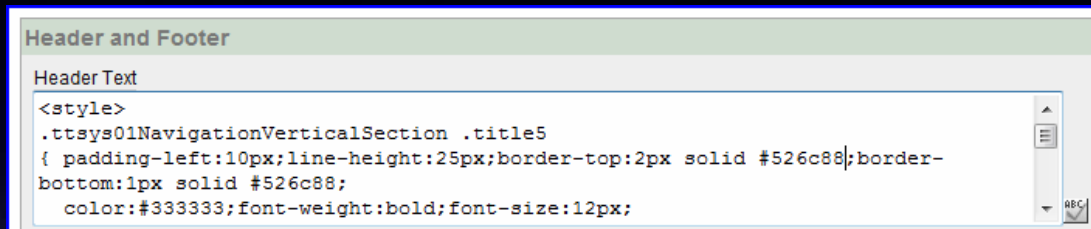
It could apply certain styles depending on the browser version used

```
<!--[if gte IE 6]>  
<style type="text/css">  
#navigationArea{width:99%;}  
</style>  
<![endif]-->
```

since not all browsers behave the same way.

Using Page 0 and Page Header

You can also use the page header if you need to change the style of a page element

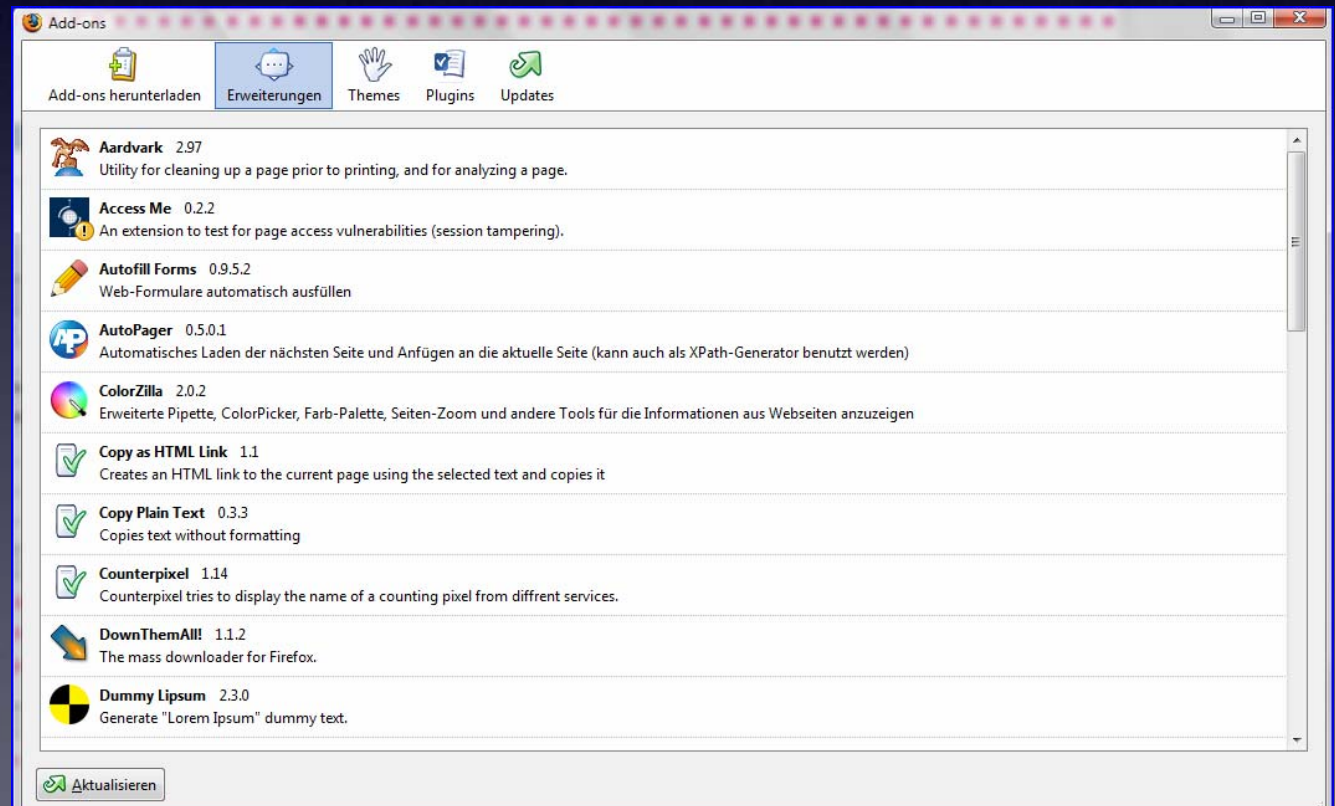


```
<style>
.ttsys01NavigationVerticalSection .title5
{ padding-left:10px;line-height:25px;border-top:2px solid #526c88;border-bottom:1px solid #526c88;
color:#333333;font-weight:bold;font-size:12px;
}

.ttsys01NavigationVerticalSection .title5 a
{ margin-left: -10px;padding-top: 4px;padding-right: 0px;
padding-bottom: 4px;padding-left: 10px;line-height: 18px;
text-decoration: none;overflow-x: hidden; height:28px;
overflow-y: hidden;color: #333333;font-weight: bold;font-size: 12px;
vertical-align:middle
}
</style>
```

Use Firefox Plugins – Live Demonstrations

- WebDeveloper Toolbar
- Firebug
- Font-Finder
- IE View
- Image Zoom
- Screen Grab
- Measure It
- Color Picker
- Aardvark



Q&A

Thank You.