WebCenter Interaction Essentials: Advanced Multi-Channel UI Customizations with Adaptive Layouts
Session #904

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Program Agenda

- Understanding Experience Definitions & Experience Rules
- Adaptive Layouts
- Adaptive Styles
- Adaptive Tags
  - Standard Tags (pt:common)
  - Navigation (pt:plugnav)
  - Data (pt:data)
  - Common UI components (pt:ptui)
- Demonstration of a multi-channel environment
Experience Definitions and Experience Rules

- Provide multiple user experiences within one portal
- Define certain elements of a user experience
  - Page Layout settings
  - Branding Style
  - Navigation
  - Portal functionality availability
- Rules define what conditions, when met, a user will see a particular experience
  - Group Membership
  - Community Membership
  - IP Address or URL requested
Adaptive Layouts

- Set of XHTML templates that allow for quick changes to look and feel using Adaptive Tags
- Displayed using Remote Portlet Web Services
- Applied to a Experience Definition and affect the entire Experience
- All default layout templates are stored on the Image Server
  - XHTML
  - iPhone
- Creating a new Layout requires the following knowledge: HTML, CSS, and JS at a minimum
# Adaptive Layout Types

<table>
<thead>
<tr>
<th>Layout Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Page</td>
<td>Controls the layout of everything surrounding the content area, such as the header, footer, banner, and navigation.</td>
</tr>
<tr>
<td>Profile Page</td>
<td>Controls the layout of everything within user profile pages</td>
</tr>
<tr>
<td>Knowledge Directory</td>
<td>Controls the layout for the content in the KD.</td>
</tr>
<tr>
<td>Search Results</td>
<td>Controls the layout for the content area in search results.</td>
</tr>
<tr>
<td>Portlet Selection</td>
<td>Controls the layout of the flyout editor used to select portlets</td>
</tr>
<tr>
<td>Portlet Layout</td>
<td>Controls the column layout for the content area (where portlets are placed) and the look of portlets (the borders and portlet toolbar)</td>
</tr>
</tbody>
</table>
Adaptive Styles

- Allows for the modification of page layouts and their design using the portal CSS template
- Application Level of Styles
  - Page ID
  - Specific User or Type of User
  - Specific Portlet or Group of Portlets
- Constraints on portlets for a specific page or set of pages can be applied
  - Setting the width or the height
## Adaptive Style Elements

<table>
<thead>
<tr>
<th>Style Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Page</td>
<td>Control style and layout for base page elements, including the action bar and banner</td>
</tr>
<tr>
<td>Navigation</td>
<td>Control style and layout for navigation elements, including the menus and breadcrumbs</td>
</tr>
<tr>
<td>Search</td>
<td>Control style and layout for search elements, including search forms</td>
</tr>
<tr>
<td>Editing</td>
<td>Control style and layout for editing elements, including the page editing elements near the navigation breadcrumb and the flyout page and portlet editor elements</td>
</tr>
<tr>
<td>Directory</td>
<td>Control style and layout for Directory elements</td>
</tr>
<tr>
<td>Portlet</td>
<td>Control style and layout for portlet elements</td>
</tr>
<tr>
<td>User</td>
<td>Control style and layout for user elements, including user profile, user activity stream, user friends and user information components</td>
</tr>
</tbody>
</table>
Adaptive Tags

- Collection of XML tags that can be included in the markup returned by any gatewayed page
- Provide an easy way to create page layouts without a lot of development knowledge
- Using the attributes defined for the tag, the gateway transforms the XML and replaces it with HTML
- Ability to create custom tags is also available
  - Available in both .NET and Java
### Adaptive Tag Libraries

<table>
<thead>
<tr>
<th>Style Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>plugnav</td>
<td>Used to manage the display of navigation based elements, such as dropdown menus</td>
</tr>
<tr>
<td>ptdata</td>
<td>Used in combination with plugnav libraries by providing access to URLs</td>
</tr>
<tr>
<td>ptui</td>
<td>Tags for adding standard ALI user interface components to any pagelet, including search inputs and buttons, login components, etc</td>
</tr>
<tr>
<td>standard</td>
<td>Allows for the creation of links to specific portal objects, the portal login page, or to specific portlets. The building of gatewayed URLs and tree controls is also available</td>
</tr>
<tr>
<td>core, common, constants, logic</td>
<td>Cross-product adaptive tag libraries providing key functionality for use in pagelets</td>
</tr>
</tbody>
</table>
Adaptive Tag Control Flow

1) Request Portlet Data
2) Get Remote HTML Data
3) Process Transformer Tags
4) Add Portlet Data to Page

Native UI Tags (i.e. JSF / .NET) are processed here.
Plumtree Transformer Tags are processed here.
• DEMONSTRATION
Resources & Learn More

• Experience Definitions & Experience Rules

• Working with Adaptive Page Layouts

• Adaptive Tag Developer Guide

• Email: brian.harrison@oracle.com
• Blog: http://blogs.oracle/com/WCI
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