Fetching User Details from the Portal and Displaying it in Web Dynpro with Authentication in the Portal

Applies to:
SAP NetWeaver Web Dynpro. For more information, visit the Portal and Collaboration homepage.

Summary
This article contain the simple steps about how to create a simple Web Dynpro application that fetches the user details in Web Dynpro when logged on to the Portal.

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Created on: 22 August 2008

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Steps

Steps for Authentication

We start by creating a Web Dynpro Project

![New Web Dynpro Project Wizard](image)

Click on finish.
Now In the project right click on application. Create application.

Click on Next until you reach the following screen
Click on finish. You have created a component, and a view embedded in the window.
The project structure in Web Dynpro explorer would look as follows.

```
PortalLogonDetails
  Web Dynpro
    Applications
      PortalLogonUserApp
    Models
    Web Dynpro Component Interfaces
    Web Dynpro Components
      PortalLogonUserApp
        Component Controller
        Component Interface
        Custom Controllers
      Message Pool
      Used Models
      Used Web Dynpro Components
    Views
      PortalLogonUserAppView
    Windows
      PortalLogonUserApp
      PortalLogonUserAppView
    Dictionaries
    src
```

Now in the project go to applications double click on PortalLogonUserApp.click on the Tab Application Properties.

![Application properties](image)

**Application properties**

Displays the application properties of the application

<table>
<thead>
<tr>
<th>Name</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
</table>

Click on New. On the Next screen, press the browse button.
Select Predefined Application Property

Select an application property

Authentication
DefaultLocale
DomainRelaxation
ExpirationTime
ViewSplitting
LogoffFURL
SuspensibleApplication
Susansibility

OK Cancel

Select Authentication. Press Ok.

Now set the Value to true. And click on finish.

New Application Property

Application properties
Enter the property below.

Select Type
- Pre defined
- Self defined

Name sap.authentication Browse...
Value true
Description Authentication mode

Finish Cancel

The result of these steps will be that whenever you will run this application, before accessing the application, it requires you to provide a valid portal login id and password. Only a valid user can access the application.
Note: You need to add the jar files `com.sap.security.api.jar` and `com.sap.security.api.perm.jar`. We add these files by Right click on the project. Select Properties. Select Java Build Path.

![Properties for PortalLogonDetails](image)

Then press the button Add External Java files and browse to the location of these files. After adding both the jar files click on OK.
Steps for Fetching User Details

Now in the project under project click on component controller under PortalLogonUserApp press on to the context Tab.

In the context tab, create the following context.

```
Context
```

**All the context are of string type.**

Now double click on the PortalLogonUserApp it will open the Diagram view.

Carry out the context mapping between the component controller and the view controller as shown below.
Now click on to component controller under PortalLogonUserApp press on the implementation tab and write the following lines of coding in the wdDoInit() method.

```java
try {
    IWDCIClientUser clientUser = WDClientUser.getCurrentUser();
    IUser user = clientUser.get SapUser();
    String displayname = user.getDisplayName();
    wdContext.currentContextElement().setDisplayname(displayname);
    String uniquename = user.getUniqueName();
    wdContext.currentContextElement().setUniquename(uniquename);
    String firstname = user.getFirstName();
    wdContext.currentContextElement().setFirstname(firstname);
    String uid = user.getUniqueID();
    wdContext.currentContextElement().setUid(uid);
    String jobtitle = user.getJobTitle();
    wdContext.currentContextElement().setJobtitle(jobtitle);
    String lastname = user.getLastName();
    wdContext.currentContextElement().setLastname(lastname);
} catch (WDUMException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
```

** WDUMException would generate an error. Put the mouse cursor over it Right click and go to Source and Then click on organize imports the following import would be added

```java
import com.sap.tc.Web Dynpro.services.sal.um.api.WDUMException;
```
Steps for Creating View Layout

Now create the following layout in the PortalLogonUserAppView.

### User details are as follows

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Displayname</td>
<td></td>
</tr>
<tr>
<td>Firstname</td>
<td></td>
</tr>
<tr>
<td>Lastname</td>
<td></td>
</tr>
<tr>
<td>Jobtitle</td>
<td></td>
</tr>
<tr>
<td>Unique Name</td>
<td></td>
</tr>
<tr>
<td>Unique id</td>
<td></td>
</tr>
</tbody>
</table>

### The outline of the view

```
Outline
  - RootUIElementContainer [TransparentContainer - RootUIElementContainer]
    - TransparentContainer [TransparentContainer - Child]
      - RootUIElementContainer1 [TransparentContainer - Child]
        - Displayname [TextView - Child]
          - displaynameinput [InputField - Child]
        - Firstname [TextView - Child]
          - firstnameinput [InputField - Child]
        - Lastname [TextView - Child]
          - lastnameinput [InputField - Child]
        - Jobtitle [TextView - Child]
          - jobtitleinput [InputField - Child]
        - UniqueName [TextView - Child]
          - uniquenameinput [InputField - Child]
        - Uid [TextView - Child]
          - uidinput [InputField - Child]
```
Now carry out the mapping of the context with their respective input field

<table>
<thead>
<tr>
<th>UI element</th>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>displaynameinput</td>
<td>Value</td>
<td>displayname</td>
</tr>
<tr>
<td>firstnameinput</td>
<td>Value</td>
<td>firstname</td>
</tr>
<tr>
<td>lastnameinput</td>
<td>Value</td>
<td>lastname</td>
</tr>
<tr>
<td>jobtitleinput</td>
<td>Value</td>
<td>jobtitle</td>
</tr>
<tr>
<td>uniquenameinput</td>
<td>Value</td>
<td>uniquename</td>
</tr>
<tr>
<td>uidinput</td>
<td>Value</td>
<td>uid</td>
</tr>
</tbody>
</table>

The view would look as

User details are as follows

<table>
<thead>
<tr>
<th>Displayname</th>
<th>displayname</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firstname</td>
<td>firstname</td>
</tr>
<tr>
<td>Lastname</td>
<td>lastname</td>
</tr>
<tr>
<td>Jobtitle</td>
<td>jobtitle</td>
</tr>
<tr>
<td>Unique Name</td>
<td>uniquename</td>
</tr>
<tr>
<td>Unique id</td>
<td>uid</td>
</tr>
</tbody>
</table>

Now right click on PortalLogonUserApp and deploy the application.
Result

A logon Screen would appear. A logon Screen would appear. Enter the valid logon details.

Welcome

<table>
<thead>
<tr>
<th>User ID</th>
<th>284535</th>
</tr>
</thead>
<tbody>
<tr>
<td>Password</td>
<td>**********</td>
</tr>
</tbody>
</table>

Log on

The user details are displayed.

User details are as follows

- Displayname: Tapiir, Nikhil
- Firstname: Nikhil
- Lastname: Tapiir
- Jobtitle: developer
- Unique Name: 284535
- Unique Id: USER_PRIVATE_DATAO
Related Content

Users And User Management

System logon

UI development with Web Dynpro

For more information, visit the Portal and Collaboration homepage.
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