Creating a Callable Object: Web Dynpro Form
### Typographic Conventions

<table>
<thead>
<tr>
<th>Type Style</th>
<th>Represents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example Text</td>
<td>Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation.</td>
</tr>
<tr>
<td>Example text</td>
<td>Emphasized words or phrases in body text, graphic titles, and table titles.</td>
</tr>
<tr>
<td>EXAMPLE TEXT</td>
<td>Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.</td>
</tr>
<tr>
<td>Example text</td>
<td>Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.</td>
</tr>
<tr>
<td>Example text</td>
<td>Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.</td>
</tr>
<tr>
<td>&lt;Example text&gt;</td>
<td>Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.</td>
</tr>
</tbody>
</table>

**Icons**

<table>
<thead>
<tr>
<th>Icon</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚠️</td>
<td>Caution</td>
</tr>
<tr>
<td>📚</td>
<td>Example</td>
</tr>
<tr>
<td>📞</td>
<td>Note</td>
</tr>
<tr>
<td>🔍</td>
<td>Recommendation</td>
</tr>
<tr>
<td>⏯️</td>
<td>Syntax</td>
</tr>
</tbody>
</table>
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Scenario

Web Dynpro Form Callable Objects make it possible to create forms within Guided Procedures Design Time. In this simple example, a Time-off request form will be created.

About This Document

By using a Web Dynpro Forms Callable Object, you can create simple screens without using anything other than the Portal.

General prerequisites

You need to have CAF GP installed.

Approaches to build up our model

You are free to choose either the top-down approach and create the Process, Block, and Action and then insert a new callable object; or you can start with the callable object first without having any other model item.

- Top-down approach

In this case you create all the Design Time objects (Process, Block, and Action) that will make use of this callable object beforehand.

- Bottom-up approach

In this case you create the callable object first and insert it into the embedding Design Time objects later.

Applicable Releases

This tutorial is compatible with the following release" Beginning with SAP NetWeaver 2004s SPS07".

Disclaimer

Any software coding and/or code lines / strings ("Code") included in this documentation are only examples and are not intended to be used in a productive system environment. The Code is only intended better explain and visualize the syntax and phrasing rules of certain coding. SAP does not warrant the correctness and completeness of the Code given herein, and SAP shall not be liable for errors or damages caused by the usage of the Code, except if such damages were caused by SAP intentionally or grossly negligent.
The Step By Step Solution

Open your Enterprise Portal via http://<Server>:<Port>/irj/portal, navigate to tab **Guided Procedures** and to tab **Design Time**.

1. In the left ‘You Can’ section of the screen, choose **Create Callable Object** to open the Callable Object Design Time’.
Entering basic data

1. In the first screen select the type of callable object: **Web Dynpro Form**.

   Enter the basic data for the callable object:
   - Name
   - Description
   - Language
   - Location (Click the **Choose** button to select the folder for the location)

   Click **Next**.

2. Now you can add and remove form elements.

   To add an element, click **Add**. A drop-down list will appear where you can select the type of form element you want to add.

   To remove an element, click **Remove**. To remove a single element, first select it by clicking on its radio button on the left.
Adding form elements

3. Try adding an input field by clicking **Add**, and then **Add Input Field** from the drop-down list.

4. Fill the input fields as displayed to create a form element of type "string"

Notes:
- Read only: Indicates that this input field cannot be changed during runtime.
- Optional: indicates that the user can decide whether to give a value or not during runtime.

5. When completed, press **Create**.
6. The Form element “Name” is now created.

7. Repeat the last step using the data provided on the right to create a further form element of type “date”.

8. Press **Add** and choose “Add Input Field” from the menu bar.

<table>
<thead>
<tr>
<th>ID</th>
<th>Label</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>from</td>
<td>From</td>
<td>Date</td>
</tr>
<tr>
<td>to</td>
<td>To</td>
<td>Date</td>
</tr>
</tbody>
</table>
9. Fill the required fields as shown in step 7).

10. To create the second form element of type “date” repeat steps 8 and 9.

11. The result so far should look like this:

12. Now try adding a Dropdown Field by clicking on Add, and then Add Dropdown Field in the drop-down list.

13. Fill the input fields as shown:
14. To create new entries (value types) for the drop-down press “Add Entry”.

15. Enter the data as displayed.

16. When completed, press **Create**, to create the form element.

17. The result is should to be as displayed.
18. Try creating additional form elements based on the data provided below.

<table>
<thead>
<tr>
<th>Element</th>
<th>ID</th>
<th>Label</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio Button</td>
<td>paid</td>
<td>Paid</td>
<td>YES</td>
</tr>
<tr>
<td>Group</td>
<td></td>
<td></td>
<td>NO</td>
</tr>
<tr>
<td>Checkbox Group</td>
<td>approval</td>
<td>Approval</td>
<td>Required</td>
</tr>
<tr>
<td>Button</td>
<td>submit</td>
<td>Submit</td>
<td>-</td>
</tr>
</tbody>
</table>

19. Press “Add” and select “Add Radio Button Group” from the menu bar.

20. Enter the field displayed as shown.

21. Press “Add Entry” to create the entries as shown for “Radio Button ID” and “Radio Button Label”.

22. To create a check box group, press “Add” and select “Add Checkbox Group”.

23. Enter the field displayed as shown.

24. Press “Add Entry” to create the entries shown for “Checkbox ID” and “Checkbox Label”.

25. Press “Create”.

26. To create a Button, press “Add” and select “Add Button”.
27. Enter the required fields and press “Create”.

28. The resulting form should look like this:

   Click **Next** to continue.

29. Your Callable Object is now complete. Click **Finish and Open** to save and open it. If you started with the top-down approach, press the **Finish** button.
30. On the screen that appears, you can test and activate your Callable Object.

To test, click on the **Test** tab on the bottom pane.

To activate click on the **Activate** button (❗).
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