

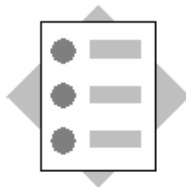
UI Elements

Exercise



Chapter: UI Elements

Theme: Standard and Container UI Elements



At the end of this Exercise, you are able to:

- Define standard UI elements (e.g. TextView, Image).
- Place the standard UI elements in container UI elements (e.g. Group, Tray).

1 Development Objectives

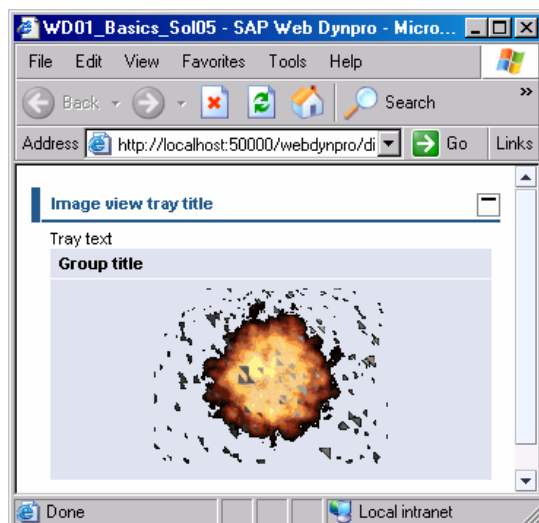
Container UI Elements

Container UI Elements can be used to group a set of UI elements in the layout of a view. The following container UI elements exist: *Group*, *Scroll Container*, *Transparent Container*, and *Tray*.

For each container UI element *layout* properties can be used to define the alignment of the UI elements within the container UI element.

Unlike the *Group* UI element, the *Tray* UI element provides additional functions. For example, the *Tray* UI element can be displayed or hidden.

2 Result



In this exercise, you define several standard UI elements (such as Image, TextView) and place them within container UI elements (such as Group or Tray UI element).

In an optional part of this exercise, you will learn how you can set image properties programmatically.

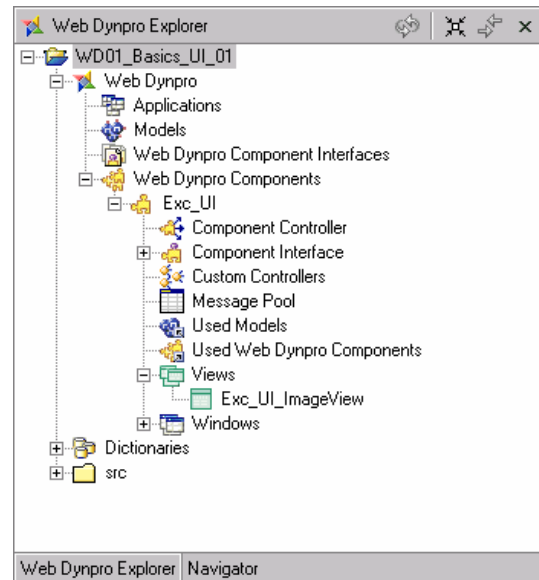
3 Prerequisites

You have launched the SAP NetWeaver Developer Studio.

You have selected the Web Dynpro perspective.

You have opened the *WD01_Basics_UI_01* project.

The structure this project is currently displayed in the *Web Dynpro Explorer*.



For your convenience, you can start developing with a predefined view.

Expand the node *Exc_UI_01* and add the new functionality to the existing view *ImageView*.

The screen shot on the left shows the predefined project structure of this exercise.

4 Overview: Developing

- 4-1 Add a Tray UI element to the view *ImageView*. Define the Trays title.
- 4-2 Add a TextView to the Tray UI element and define the text property of this element.
- 4-3 Add a Group UI element to the Tray UI element. Define the Groups title. Position the Group element below the TextView element.
- 4-4 Add an Image to the Group UI element. Name of the image: *explosion.gif*. This image has already been imported into the project.
- 4-5 Create the Web Dynpro application *WD01_Basics_UI_01*.

5 Overview: Building, Deploying, and Running

Deploy and run the Web Dynpro application.

6 Optional: Setting image properties programmatically

- 6-1 Bind the image properties *alt* and *source* to the context of the view container:
Add two new value attributes to the view controller. Edit the properties of the context value attributes. Set the property *calculated* to *true*. This will result in the automatic generation of getter methods for these context value attributes.
Bind the properties *alt* and *source* of the Image UI element to these context elements.
- 6-2 Set the image properties *source* and *alt* programmatically:
Edit the getter methods for the two context value attributes.