

# Tree UI Element in Web Dynpro Applications

## Overview

This Web Dynpro project demonstrates how to utilize the Tree UI Element in Web Dynpro Applications. The sample application displays a tree based on recursive context nodes and another one based on a non-recursive context structure.

## Featurelist

1. View RecursiveTree:
  - a. How to define & fill a context with recursive nodes. Other than a context without recursive nodes a context with recursive nodes can have an arbitrary number of levels during runtime
  - b. Demonstrates how to bind a tree & its tree node against a recursive node.
  - c. How to define onLoadChildren (load on demand) and how to add a parameter / parameter mapping, in order to add child elements to the context element that corresponds to the tree node that requested the onLoadChildren
  - d. How to use the hasChildren Attribute in order to specify whether a tree element should be displayed as node or as item
  - e. How to define onAction on a tree node and how to add a parameter / parameter mapping to access the properties of the context element that corresponds to the clicked tree node within the event handler
  - f. How to use the ignoreAction attribute to suppress the onAction Event on tree elements
2. View NonRecursiveTree
  - a. How to define & fill a context with non-recursive nodes (non-singletons!). You can use a context without recursive nodes if the number of levels you want to display in your tree during runtime is fixed and already known during runtime.
  - b. Demonstrates how to bind the tree & its tree nodes against non-recursive nodes.
  - c. How to use the design attribute to emphasize a certain tree element
  - d. How to define default icons for nodes and items
  - e. How to display a tree node selected (high-lighted) initially using the setTreeSelection() method

## Project Name

Web Dynpro Project: WebDynpro\_Tree

## Requirements and Dependencies

None

## Instructions

To get the Tree application running, proceed as follows:

1. Importing the project into the SAP NetWeaver Developer Studio
  - a. Unzip the complete contents of the zip file " WebDynpro\_Tree.zip" from the Developer Studio example folder ".../SAP/JDT/eclipse/examples/" into your local workspace directory or folder of your choice.
  - b. Start the SAP NetWeaver Developer Studio.

- c. Open the Web Dynpro perspective ("Window"|"Open Perspective"|..."Web Dynpro").
- d. Choose the path "File"|"Import ...".
- e. Select "Existing Project into Workspace" and choose "Next".
- f. In the input field "Project contents", specify the folder containing the Web Dynpro project ("WebDynpro\_Tree") and choose "Finish".

The Project "WebDynpro\_Tree" will appear in the "Web Dynpro Explorer" view.

Note:

Depending on which Java compiler preferences are set, you may see some warnings in the "Task" view after importing the project.

If the severity level for problems of type "Unused imports" (set in Preferences – Java – Compiler) has the value "Warning", the compiler will issue a warning for unused import references.

Ignore these warnings!

## 2. Building the project

- a. Open the context menu of the project node "WebDynpro\_Tree" in the Web Dynpro Explorer view.
- b. Choose "Rebuild Project".

## 3. Deploying and running the WebDynpro\_Tree application

- a. Make sure that your SAP J2EE Engine is running.
- b. Open the context menu of the node "WebDynpro\_Tree"|"Web Dynpro"|"Applications"|"TreeApp".
- c. Chose "Deploy new archive and run".

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