

# WEBDYNPRO ABAP Course Content

<p><b><u>Week - 1</u></b></p> <p><b>Overview of WebDynpro</b></p> <ul style="list-style-type: none"><li>• WD4A Vs WD4J</li><li>• Component Architecture &amp; Entities</li><li>• Views , Windows ,Interface Views ,Component Controller , Application</li><li>• Relation b/w Component Entities</li><li>• Data Binding</li><li>• Plugs at View level &amp; Plugs at Window Level</li><li>• Inbound Plugs &amp; Outbound Plugs</li><li>• Navigation Link</li><li>• View Assembly / Nested Views / Navigation b/w views</li><li>• Default View Component</li><li>• Multiple windows</li><li>• Context Mapping</li><li>• Internal Context Mapping / External Context Mapping</li><li>• WebDynpro Application &amp; Creation of Multiple Applications</li></ul> <p><b>Application Execution Cycle</b></p> <p><b>URL Parameters</b></p> <p><b>Settings FQDN</b></p> <p><b>Faceless Components</b></p> <p><b>maintenance Service</b></p> <p><b>Controllers WebDynpro</b></p> <ul style="list-style-type: none"><li>• View controller &amp; Window Controller</li><li>• Component Controller &amp; Interface Controller</li><li>• Custom Controller</li></ul> <p><b>Services each Controller Hook Methods &amp; Attributes of each Controller</b></p> <p><b>Tools WebDynpro ABAP</b></p> <ul style="list-style-type: none"><li>• Webdynpro Code Wizard &amp; its different</li></ul>	<p><b><u>Week - 2</u></b></p> <p><b>Different layouts</b></p> <ul style="list-style-type: none"><li>• Flow Layout &amp; Grid Layout &amp; Matrix Layout &amp; Row Layout</li></ul> <p><b>Introduction to UI Elements</b></p> <ul style="list-style-type: none"><li>• Caption, Page Header, Input Fields ,Text Views , Text Edit ,Check box, Radio Buttons / Buttons ,Button Rows , Image , Table , Message Area , Group , Transparent Container ,Tray , View Container UI Element ,List Box</li><li>• Drop down by Index , Drop down by key ,Radio Button By Index , Radio ButtonByKey</li></ul> <p><b>Design Time Context</b></p> <ul style="list-style-type: none"><li>• Understanding the Meaning of Node &amp; Element</li><li>• Working with multiple Nodes &amp; Attributes</li><li>• Working with properties of Nodes &amp; /or Attributes</li></ul> <p><b>Role Data Binding</b></p> <ul style="list-style-type: none"><li>• Binding the UI elements to Nodes &amp; /or Attributes</li></ul> <p><b>Kind of methods Controllers</b></p> <ul style="list-style-type: none"><li>• Normal Methods</li><li>• Event Handler Methods</li><li>• Supply Functions</li></ul> <p><b>Working Multiple Views</b></p> <ul style="list-style-type: none"><li>• Nested views</li><li>• Navigation b/w Views</li><li>• Plugs Inbound and Outbound Plugs</li><li>• Navigation Link</li></ul>
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<p>options</p> <ul style="list-style-type: none"><li>• Layout Editor &amp; Working with Layouts</li></ul> <p><b>Week - 3</b></p> <p><b>Managing View Lifetime</b></p> <ul style="list-style-type: none"><li>• When Visible</li><li>• Framework Controlled</li></ul> <p><b>MIME objects</b></p> <p><b>Role &amp; Significance of Properties Node</b></p> <ul style="list-style-type: none"><li>• Cardinality</li><li>• Selection</li></ul> <p><b>Table Control</b></p> <ul style="list-style-type: none"><li>• Multiple of creating Table</li><li>• Working different table column cells</li><li>• Single row Selection</li><li>• Multi row Selection</li></ul> <p><b>Dynamic Programming</b></p> <ul style="list-style-type: none"><li>• Managing UI element properties in runtime</li><li>• Binding the internal table to Node</li><li>• elements under a Node in runtime</li><li>• Removing elements under Node in runtime</li></ul> <p><b>Data Transfer Techniques b/w the Views Component Controller</b></p> <ul style="list-style-type: none"><li>• Significance Component Controller</li><li>• Hook Methods &amp; Attributes Component Controller</li><li>• Context Mapping</li><li>• Used Controllers</li></ul> <p><b>Message Manager</b></p> <ul style="list-style-type: none"><li>• Generation of Messages</li><li>• Report Messages Success / Warning / Error Messages</li><li>• Defining own Message Area</li></ul>	<ul style="list-style-type: none"><li>• Firing Outbound Plugs</li><li>• Significance Inbound Plug EventHandlerMethod</li></ul> <p><b>Week - 4</b></p> <p><b>Custom Controller</b></p> <ul style="list-style-type: none"><li>• Custom Controller</li><li>• Working Custom Controller</li></ul> <p><b>Popup Windows</b></p> <ul style="list-style-type: none"><li>• Popup Messages</li><li>• Data Sharing b/w views &amp; popup windows</li></ul> <p><b>Internationalization</b></p> <p><b>Online Text Repository (OTR)</b></p> <p><b>Concept of iViews &amp; Integration into Portal (Theory Portal Integration)</b></p> <p><b>Introduction to WebDynpro Application Configuration</b></p> <p><b>Introduction to WebDynpro Application Personalization</b></p> <p><b>Introduction to WebDynpro Component Configuration</b></p> <p><b>Tree Structure - Tree UI Element</b></p> <p><b>Implementing Roadmap UI element 3 to 4 steps</b></p> <p><b>Role of Component Interface</b></p> <p><b>Cross Component Programming</b></p> <ul style="list-style-type: none"><li>• Component Usage</li><li>• Sharing the Context across components</li><li>• Sharing the Views or Visibility across components</li></ul>
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<ul style="list-style-type: none"><li>• Changing the message options in WD application level</li></ul> <p><b>Implementing Service Call (BAPI &amp; RFC Calls)</b></p> <p><b>Calling smart forms in Applicatio</b></p> <p><b>Implementing Supply Function</b></p> <p><b>Advanced Concepts WebDynpro ABAP</b></p> <ul style="list-style-type: none"><li>• Window Controller &amp; Window Plugs</li><li>• Significance DEFAULT Plug</li><li>• Inbound Plugs Window Controller</li><li>• Start Up Plug &amp; Standard Plug &amp; Resume Plug</li><li>• Outbound Plugs Window Controller</li><li>• Exit Plug &amp; Standard Plug &amp; Suspend</li></ul>	<p><b>Implementing ALVs</b></p> <ul style="list-style-type: none"><li>• Implementing ALV without configuration Model In the ALV View Separate View</li><li>• Implementing ALV with Configuration Model In the ALV View In the Separate View</li></ul> <p><b>Features of Editable ALVs</b></p> <ul style="list-style-type: none"><li>• Totals / Subtotals ALVs</li><li>• ALV with different Cell Editors (Link to Action, Buttons) ALV with different Events (Hotspot, OnClick)</li><li>• Working with Select Options</li><li>• Enhancements WebDynpro Components — View &amp; Context &amp; Methods</li></ul>
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