

WEBDYNPRO ABAP with EhP5

1. WEBDYNPRO INTRODUCTION

- a. Model View Controller
- b. MVC Interaction Example
- c. Webdynpro Architecture: Relation Between Webdynpro Entities
- d. Benefits OF WDA

2. DESIGNING A WEBDYNPRO COMPONENT

- a. VIEW ,VIEW Controller
- b. Component ,Component Controller
- c. Window , Window Controller
- d. Configuration Controller, Custom Controllers, Interface Controller
- e. Webdynpro Logon Page Configuration

3. WEBDYNPRO APPLICATION

- a. URL of a Webdynpro Application
- b. Fully Qualified Domain Names(FQDN)
- c. URLs & Namespaces

4. CONTEXT NODES AND ATTRIBUTES AT DESIGN TIME

- a. Attributes , Nodes
- b. Cardinality , Singleton & Non-Singleton , Lead Selection
- c. Data Binding
- d. Start up , Exit ,Standard , Resume , Suspend Plugs
- e. Inbound & Outbound Plugs
- f. Navigation within same component , Navigation with different component with component usage
- g. Context Mapping: Mapping Origin: Internal & External Mapping
- h. Mandatory protocols for any mapping
- i. Interface Methods

5. CONTROLLER & CONTEXT PROGRAMMING

- a. Hook Methods
- b. Supply Function Methods
- c. Controller Attributes : WD_THIS ,WD_CONTEXT , WD_COMP_CONTROLLER
- d. Accessing context node & Node elements at Runtime
Adding new elements to a context node, Binding Internal Tables to context node User-Defined Instance Methods & Attributes
- e. Fire Methods
- f. Event Handler Methods

6. LAYOUT UI ELEMENT

- a. Flow Layout
- b. Grid Layout
- c. Matrix Layout
- d. Row Layout
- e. Form Layout(EhP5)

7. WEBDYNPRO MODEL

- a. Assistance Class as Model For Multi Component Application
- b. BAPI as Model
- c. Using Controller Attribute in service type***

8. VIEW ELEMENTS

- a. Text view
- b. Input field & Label
- c. Tab strip
- d. Tree, Horizontal gutter , invisible element
- e. Table , Table Cell Variant , Table Popin Toggle Cell , Cell Popin , Row popin ****
- f. Table column grouping , Sorting & Filtering in Table ****
- g. Real Time scenario on ADDING , EDITING, REFRESH , DELETE Records based on primary non primary keys of a custom table***
- h. Real time scenario to use TREE by table key column along with uploading different types of PDF & downloading the data to EXCEL***

9. GRAPHICS

- a. Image
- b. Business Graphics: Series Source & Category
- c. Real Time scenario on providing actions to image source in a table

10. ADDITIONAL UI ELEMENTS

- a. Button ,Button Row
- b. Horizontal Gutter , Invisible
- c. Link To Action , Link To URL ,Message Area
- d. Phase Indicator , Progress Indicator
- e. Transparent Container , Group
- f. Tray UI Element , Tray Menu ,File Upload

- g. Page header , Page header area, Page Header Title with link to URL
- h. Button Choice , Menu action items using global built in class**

11. SELECTION ELEMENTS

- a. Drop Down By Key , Drop Down By Index
- b. Radio Button Group By key , Radio Button Group By Index
- c. Checkbox , Checkbox Group , Item List Box , Tri State Check Box

12. SEARCH HELP IN WEBDYNPRO ABAP

- a. Input Help Mode : Automatic & Deactivated
- b. Dictionary Search Help
- c. OVS : Object Value Selector
- d. Freely Programmed input Help Mode ***
- e. SVS,EVS,DVS

13. FUNCTION HELP IN WEBDYNPRO ABAP

- a. Help Texts With Tooltips
- b. Explanation Texts
- c. ABAP Dictionary Help
- d. Explanations

14. PROGRAMMING

- a. Getters & Setters Method
- b. Wizard Usage For :Method call of same & Used Controller , Instantiate Used Component , Generate Message , Read Context , Generate POP Up , Portal Integration , Personalization
- c. Hide/Visible , Input Enable / Disable
- d. ADD , DELETE , MODIFY , UPDATE Elements with Persistent Approach***
- e. SELECT ALL , DESELECT ALL ,Message Programming ,Cross Component Programming
- f. Singleton usage in child node ***
- g. Usage of radio button inside a table UI to update the backend SAP data**
- h. upload PDF from MIME Repository**
- i. Creation of context menu in WEBDYNPRO similar to context menu creation in ALV procedural or OOPS ***
- j. Condition Table colouring***

15. MULTI-COMPONENT ARCHITECTURE

- a. Cross Component Mapping
- b. Component Usages
- c. Component Interfaces ***
- d. Direct Vs Reverse Mapping ***

- e. Understanding the Usage with custom components ,with interface view, interface controller methods , interface context node , interface fire events , Interface external Node ** *

16. ALV in WEBDYNPRO ABAP(6 Days)

- a. SAP List Viewer
- b. Integrating ALV (SALV_WD_TABLE)
- c. ALV Configuration Model : Table Settings , Field Settings , Column Settings ,Settings For Standard ALV, Setting For Application Specific Functions
- d. Methods & Events Of The Interface Controller
- e. Changes to Column Set , Function Stetting, User Defined settings
- f. Changing the Toolbar ,Colouring ALV, Editable, Row Selection
- g. Field settings: Aggregation Operations grand total & subtotal in ALV***, sorting ***
- h. Traffic Lights in ALV*** , Adding Custom toolbar in ALV***
- i. Select Options , Parameters ,Validations (in-Depth)

17. SERVICE CALLS

- a. Using RFC
- b. Using Classes-Methods
- c. Service call usage with parameters in place of context attribute ***
- d. Service using assistant class

18. DIALOG BOXES (POP UPS)

- a. External Dialog Box
- b. Modal Dialog Box
- c. Confirmation Dialog Box
- d. Dialog Box Displaying Window of Same Component
- e. Dialog Box Displaying Window Of Used Component***
- f. Subscribing window action mostly used technique in realtime *****

19. MESSAGES AND INTERNATIONALIZATION

- a. Texts From ABAP Dictionary
- b. Texts From Online Text Repository
- c. Texts From The Assistance Class***
- d. Messages & Error Handling : Category :Text , Exceptions ,T100**
- e. Navigation Behaviour: Usage and flow of hooker methods WDDOBEFOREACTION, WDDOAFTEACTION, reading the action at runtime.***
- f. Standard & Validation independent Actions difference and execution***
- g. Message based validation , independent actions***
- h. Internalization of data elements***
- i. Internalization of domains & Fixed values***
- j. Internalization of Assistance class text symbols***

- k. Internalization of message class***
- l. Internalization of OTR with alias***
- m. Internalization of text table ***

20. DYNAMIC MODIFICATION AT RUNTIME

- a. Dynamic Context Manipulation***
- b. Creating Context Attributes Dynamically***
- c. Creating Context Nodes & Context Attributes From a Structure***
- d. Creating Dependent Context Nodes***
- e. Dynamic UI manipulation
- f. Assigning Actions To UI Elements Dynamically***

21. CONFIGURATION DATASETS

- a. Webdynpro built -in configuration***
- b. Webdynpro component defined configuration ***
- c. URL parameters & Application Parameters***
- d. Application configuration, configuration controller***

22. NETWEAVER PORTAL INTEGRATION

- a. Creating a Folder
- b. Connecting to Back-End ABAP system
- c. iVIEW Creation
- d. Creating Role & Role Assignment
- e. Running the application into the portal
- f. Triggering a Portal Event
- g. Reacting to a Portal Event
- h. Creating Page
- i. Running the Application That Process Portal Events

23. AUTHORIZATION AT PORTAL LEVEL

- a. RBAC Pattern***
- b. Authorization Object Class, Object , Fields***
- c. Creation Of Role and Changing Authorization Data***
- d. Testing the Role assignment Using Webdynpro Component***

24. Runtime APIs

- a. IF_WD_ACTION
- b. IF_WD_APPLICATION
- c. IF_WD_COMPONENT
- d. IF_WD_COMPONENT_USAGE
- e. IF_WD_CONTROLLER
- f. IF_WD_MESSAGE_MANAGER
- g. IF_WD_VIEW

- h. IF_WD_VIEW_CONTROLLER
- i. IF_WD_VIEW_ELEMENTS
- j. IF_WD_WINDOW
- k. IF_WD_WINDOW_CONTROLLER
- l. IF_WD_WINDOW_MANAGER
- m. CL_WD_CUSTOM_EVENT
- n. CL_WD_RUNTIME_SERVICES
- o. CL_MIME_REPOSITORY_API
- p. CL_WD_UTILITIES
- q. CL_WD_DYNAMIC_TOOL

25. Context APIs

- a. IF_WD_CONTEXT
- b. IF_WD_CONTEXT_NODE
- c. IF_WD_CONTEXT_NODE_INFO
- d. IF_WD_CONTEXT_ELEMENT

26. PORTAL INTEGRATION APIs

- a. IF_WD_PORTAL_INTEGRATION

27. ADVANCE TOPICS WITH COMPLEX CODING

- a. ROADMAP with button interaction to read TRIP HEADER DATA & TRIP EXPENSES based on personnel number of employee ***
- b. ROADMAP with step interaction
- c. ROADMAP with roundtrip step close, roundtrip start , roundtrip end, sub steps , standard steps ***
- d. A real time scenario of sales order creation using roadmap and usage of global events of component controller in view controller ,Applying NOT Operation on steps***
- e. A Real Time scenario on Drag & Drop in Contextual Panel : Left-Right Drag Drop , Up-Down Drag Drop ***
- f. A real time scenario of table row drag & drop with row grouping enabled***
- g. A real time scenario on ADD, REMOVE , MOVE UP ,MOVE DOWN records of contextual panel.***

28. ENHANCEMENT IN WEBDYNPRO ABAP

- a. Webdynpro enhancements in detail***
- b. A Real time scenario on enhancing Travel Management Components***
- c. Switch Framework ***

29. PERFORMANCE AND MEMORY OPTIMIZATION

- a. Optimal System Configuration
- b. Checklists For Developing High Performing
- c. Performance Tools

FLOOR PLAN MANAGER (2 * 5 = 10 Hrs) ****

1. Floor Plan Managers ***

- a) Object Instance Floorplan (OIF)
- b) Guided Activity Floorplan (GAF)
- c) Quick Activity Floorplan (QAF)
- d) Overview page Floorplan (OVP Supported only in Ehp5)

2. Floor Plan Areas configuration using the FPM configuration editor:***

- a) Identification Region (IDR)
- b) Message Region (MR)
- c) Context Navigation Region (CNR)

3. IF_FPM_UI_BUILDING_BLOCK ***

4. Application Configuration Creation For FPM ***

5. Component & IDR Configurations ***

6. Generic User Building Blocks (With real Time Implementation) ***

- a) List Component (FPM_LIST_UIBB)
- b) Tabbed Component (FPM_TABBED_UIBB)
- c) Form Component (FPM_FORM_UIBB)

7. OIF & GAF Instances ***

8. Difference between OIF & GAF Toolbar ***

9. FPM TOOLBAR ***

- a) Adding elements to toolbar
- b) Adjusting the toolbar dynamically using interface **IF_FPM_CNR_GAF**
- c) Toolbar buttons
- d) Toolbar Button events

10. FPM Identification Region ***

- a) Header Area (IDR Basic)
- b) Ticket Area (IDR Extended)

11. FPM Event Loop ***

12. Feeder Classes ***

- a) IF_FPM_GUIBB_FORM
- b) IF_FPM_GUIBB_LIST

13. Dialog Boxes Creation & Use in FPM Applications ***

WEBDYNPRO CHIPS: ***

- a) Introduction
- b) Inport***
- c) Outport***
- d) Google Map Integration using chips***
- e) Chip Catalogue***
- f) iFrame***
- g) Side Panels Along with main browser ***
- h) Page Builder & Page Configuration ***

1. We offer Basics & Advanced OOPS offer along with WEBDYNPRO, with no extra charge .The course in OOPS itself is 15 plus days ,so every Saturday n Sunday we have classes only for OOPs. Here you will learn in depth practical examples on DESIGN PATTERNS, FACTORY PATTERNS, QUERY SERVICES, ALV OBJECT MODELS, CASTING , RTTS,FIELD-SYMBOLS,DATA REFERENCES etcetc Hmm.. never ending topic ☺.
2. We will build many ALV WEBDYNPRO Reports with select options parameters and proper validations , but before this every person will be trained on ALV OOPS, ALV OBJECT MODELS with interactive events.(No OOPs no LIFE !!!)
3. In FPM , we offer all FLOORPLANS with implementation examples which is the unique features of this institute.
4. WEBDYNPRO CHIPS , iFRAMES with Google MAP Integration, Page Builder n Page Configuration, Side Panels all this part of EhP5.Even this is covered .
5. We neither teach from SAP Technical nor we teach outdated webdynpro of four years back .We run the class with EhP5 ☺

Look For Change .Give a try and learn BEST from BEST and be the BEST of BEST. Wishing you a very BEST OF LUCK

ADOBE FORMS

1. Structure of a FORM

2. Interface of a FORM

- ABAP Dictionary-Based Interface
- Smart Forms-Compatible Interface
- XML Schema Based Interface

3. Context of FORM

- Form Creation
- Structures
- Data Nodes
- Text Nodes
- Graphic Nodes
- Address Nodes
- Alternatives
- Tables or Loops
- Conditions
- Folders

4. Adobe Life Cycle Designer

- Form Design Area
- Hierarchy & Data View
- Library & Object Palette
- Script Editor
- Menu Bar & Toolbar

5. Creating Form Templates

- Data Binding
- Structuring Form Templates with Sub forms

- Adding a Hierarchy
- Extending the Form Template
- Using Tables, Page Breaks ,Sub form Set , Patterns , Conditional Page Break

6. Form Output

- Data Selection
- Determining the Generated Function Module
- Opening & Closing Job
- Device Types For Output

7. Interactive PDF Programs

- Script Programs
- Calculation via script Programs
- Input Validation via script Program'
- Access to data nodes & Form Fields

8. Integration with WEBDYNPRO ABAP

- Online scenario
- Offline scenario
- Interactive Form UI element

OTHER COURSES OFFERED IN BANDI'S TECHNOLOGY:

1. ABAP / CA / OOPS With ABAP Project ECC6.0 With EhP5
2. ABAP Project with OOPS ECC6.0 With EhP5
3. WORKFLOW With BRF+ / OOPS ECC6.0 With EhP5
4. WEBDYNPRO/ADOBE FORMS With OOPS /Adv OOPS NW07-02 EhP5
5. CRM ABAP TECHNICAL WITH WEBUI /Deep Drive/OOPs EhP1
6. WEBDYNPRO PROJECT WITH FPM/WEBDYNPRO CHIPS/ADOBE FORMS/BRF+ ,
REALTED TO SD-PS, TRAVEL MANAGEMENT, IS-RETAIL,MASTER DATA
GOVERNANCE MODULES