

# Wizards Training

## Web Logic Training Course Curriculum

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

## Web Logic Portal

### Web Logic Portal 10.2 Programming Courseware

#### 1. Introduction to WebLogic Portal

- ☐ Overview
- ☐ What is a Portal Site?
- ☐ An Example of a WebLogic Portal Site
- ☐ Types of Business Problems Solved by a Portal Site
- ☐ Key Concepts
- ☐ Portlet
- ☐ Page
- ☐ Common Look and Feel Controls
- ☐ Single Sign-On
- ☐ Key Services Offered by the Portal Framework
- ☐ Access Control
- ☐ Content Management
- ☐ Search
- ☐ User Management
- ☐ Personalization
- ☐ Communities
- ☐ Remote Portlets
- ☐ E-Commerce Support
- ☐ Summary
- ☐ Review Questions
- ☐ Review Answers
- ☐ References

#### 2. Components that make up a Portal Site

- ☐ Overview
- ☐ Key Components
- ☐ Desktop
- ☐ Shell
- ☐ Book and Page
- ☐ Menu
- ☐ Layout and Placeholder
- ☐ Portlet
- ☐ Component Hierarchy
- ☐ Sample Desktop
- ☐ Portal Application Structure
- ☐ Installing a Portal Application
- ☐ WebLogic Portal Administration Console
- ☐ Creating a New Page
- ☐ Adding a Portlet to a Page
- ☐ Creating a Book

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- ☐ Adding a Page to a Book
- ☐ Creating a New Portal
- ☐ Creating a New Desktop
- ☐ Common Look and Feel
- ☐ Choosing a Look and Feel
- ☐ Choosing the Look and Feel
- ☐ Summary
- ☐ Review Questions
- ☐ Review Answers
- ☐ References

### 3. Portlet Details

- ☐ Overview
- ☐ Title Bar
- ☐ Portlet Modes
- ☐ Portlet States
- ☐ Portlet Preferences
- ☐ Portlet Preferences Example
- ☐ How Are Portlets Rendered on a Page?
- ☐ Portlet Development
- ☐ Workshop for WebLogic
- ☐ Portlet Types
- ☐ Build and Packaging
- ☐ Summary
- ☐ Review Questions
- ☐ Review Answers
- ☐ References

### 4. The Workshop for WebLogic Development Environment

- ☐ Overview
- ☐ Workshop for WebLogic
- ☐ The Eclipse Platform
- ☐ Eclipse 3.0 Java IDE
- ☐ Views, Perspective and Editor Areas
- ☐ Basic Operations with Eclipse Views and Perspectives
- ☐ The Java Perspective
- ☐ The Debug Perspective
- ☐ Navigator View
- ☐ Build and Validation
- ☐ Templates and Code Completion
- ☐ Searching
- ☐ Workshop for WebLogic
- ☐ Installing Workshop
- ☐ Server Run-time
- ☐ Workshop Server
- ☐ Creating Projects

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- ☐ Portal Resources
- ☐ Creating A Portlet
- ☐ Portlet Types
- ☐ Portlet Components
- ☐ Deploying A Portlet
- ☐ Testing The Portlet
- ☐ Direct Portlet Access
- ☐ Summary
- ☐ References

## 5. Portlet Programming API

- ☐ Overview
- ☐ Portlet APIs
- ☐ JSP/HTML Portlets
- ☐ Creating JSP/HTML Portlets
- ☐ Browser (URL) Portlets
- ☐ JSR-168 Portlets
- ☐ Creating a JSR-168 Portlet
- ☐ Coding the JSR-168 Portlet
- ☐ Page Flow Portlets
- ☐ Creating a Page Flow Portlet
- ☐ Coding the Page Flow Portlet
- ☐ Struts Portlets
- ☐ Creating A Struts Portlet
- ☐ JSF Portlets
- ☐ Remote Portlets
- ☐ API Guidelines
- ☐ Summary
- ☐ References

## 6. Introduction to JSR 168 Based Portal Programming

- ☐ Topics
- ☐ What is JSR 168
- ☐ Relationship With J2EE
- ☐ Relationship With Servlets
- ☐ A Portal Site
- ☐ The Portlet
- ☐ Portlet Application
- ☐ The portlet.xml File
- ☐ Portlet Container
- ☐ Summary

## 7. Basic Portal Programming

- ☐ Design Pattern of Portlet Applications Model-View-Controller
- ☐ More on MVC
- ☐ The Portlet Interface
- ☐ The Hello World Portlet

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- ☐ Portlet Lifecycle - Initialization
- ☐ Portlet Lifecycle Request Handling
- ☐ Two Phase Request Processing
- ☐ The render Method
- ☐ The PortletRequest Interface
- ☐ The PortletResponse Interface
- ☐ The RenderResponse Interface
- ☐ PortletURL
- ☐ Example
- ☐ The processAction Method
- ☐ The ActionRequest Interface
- ☐ The ActionResponse Interface
- ☐ Example
- ☐ More on Render Parameter
- ☐ The GenericPortlet Class
- ☐ User Session Management
- ☐ Example
- ☐ End of Portlet Life
- ☐ Portlet Configuration
- ☐ Portlet Initialization Parameter
- ☐ Portlet Context
- ☐ JSP For View
- ☐ State Management
- ☐ Better View State Management
- ☐ Portlet Preferences
- ☐ Example: Reading Preferences
- ☐ Updating Portlet Preferences
- ☐ Example: Updating Preference
- ☐ Validating Preference Update
- ☐ Example Validation

## 8. Display Generation

- ☐ Techniques in View Development
- ☐ JSP Custom Tags
- ☐ Available Portal Custom Tags
- ☐ JSR 168 Tags
- ☐ The defineObjects Tag
- ☐ More on defineObjects
- ☐ The actionURL Tag
- ☐ The param Tag
- ☐ The namespace Tag
- ☐ National Language Support
- ☐ Dynamic Translation
- ☐ Resource Bundle File
- ☐ Displaying Translated Text

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- ☐ More on JSTL Internationalization Tags
- ☐ Example of Using Resource Bundles
- ☐ Portlet Resource Bundle
- ☐ Providing Locale Specific Preference Defaults

## 9. Page Flow Portlets

- ☐ Overview
- ☐ NetUI
- ☐ NetUI Page Flow
- ☐ Page Flow Execution
- ☐ Page Flows and MVC
- ☐ Advantages to Page Flows
- ☐ Portlets And Page Flows
- ☐ Portlet and Page Flow
- ☐ Creating A Page Flow Portlet
- ☐ Page Flow Portlet Properties
- ☐ Using A Page Flow Portlet
- ☐ Controls and Page Flow Portlet
- ☐ Using A Control
- ☐ Using Portal Controls
- ☐ Available Portal Controls
- ☐ NetUI Tags
- ☐ Using a Portal NetUI Tag
- ☐ Portal NetUI Tags
- ☐ Portal NetUI Sample
- ☐ NetUI vs. JSR 168
- ☐ Summary
- ☐ References

## 10. Web Services for Remote Portlets

- ☐ Overview
- ☐ Remote Portlets
- ☐ WSRP
- ☐ WSRP Benefits
- ☐ Information Artifacts
- ☐ Security Issues
- ☐ WSRP Producer: Steps
- ☐ WSRP Consumer: Steps
- ☐ Creating A Remote Portlet
- ☐ Create A Remote Portlet
- ☐ Creating A Remote Portlet
- ☐ Summary
- ☐ References

## 11. Using AJAX in a Portlet

- ☐ What is AJAX?
- ☐ A Simple Example

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- ☐ The Old Way
- ☐ The AJAX Way
- ☐ Two Key Aspects of AJAX
- ☐ What are the Advantages of the AJAX Approach?
- ☐ AJAX Technologies
- ☐ The Basic AJAX API
- ☐ Creating the XMLHttpRequest Object
- ☐ The XMLHttpRequest Object Basics
- ☐ Complete Example
- ☐ The Timeline
- ☐ Using AJAX from a Portlet
- ☐ Handling AJAX Requests
- ☐ Making an AJAX Request
- ☐ Where to Go From Here?

## 12. Content Management System

- ☐ Overview
- ☐ What Does Content Management Do?
- ☐ Types of Content
- ☐ Virtual Content Repository
- ☐ Creating Content
- ☐ Securing Content
- ☐ Folders
- ☐ Creating Folders
- ☐ Content Workflow
- ☐ Delivering Content to the Portal
- ☐ Summary
- ☐ Review Questions
- ☐ Review Answers
- ☐ References

## 13. Personalization Using Interaction Management

- ☐ Overview
- ☐ What Is Personalization?
- ☐ Personalization Possibilities
- ☐ Personalization Benefits
- ☐ The Interaction Framework
- ☐ Interaction Components
- ☐ Putting It Together
- ☐ Content Repository
- ☐ Interaction Tools
- ☐ Interaction Tasks
- ☐ Property Sets
- ☐ Creating User Properties
- ☐ User Segment Properties
- ☐ Request/Session Properties

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- ☐ Event Properties
- ☐ Creating A Content Selector
- ☐ Creating Content Selector File
- ☐ Use the Content Selector tag
- ☐ Creating A Placeholder
- ☐ Creating A Placeholder File
- ☐ Use the Placeholder
- ☐ Campaigns
- ☐ Building A Campaign
- ☐ Triggering A Campaign
- ☐ Event and Behavior Tracking
- ☐ Events
- ☐ Behavior Tracker
- ☐ Event Tracking Tasks
- ☐ Summary
- ☐ Review Questions
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