R12.x Extend Oracle Applications: Building OA Framework Applications

Duration: 5 Days

What you will learn

LVC NOW AVAILABLE !!

This class is a hands-on lab-intensive course that will keep the student busy and active for the duration of the course. While the course covers the fundamentals that support OA Framework-based applications, the course is really an exercise in J2EE programming. Over the duration of the course, the student will create an OA Framework-based application that selects, inserts, updates, and deletes data from a R12 Oracle Applications instance.

Learn to:

Describe the concepts and details of the MVC design pattern

Create a query, drill-down, create, delete, and update to an E-Business Suite instance

Use E-Business Suite security in conjunction with OA Framework applications

Describe OA Framework development standards

Audience

Application Developers
Developer
J2EE Developer
Java Developers
Sales Consultants
Technical Consultant

Related Training

Suggested Prerequisites
E-Business Suite development and debugging

E-Business Suite system administration

J2EE programming

Java programming

Course Objectives

Complete a basic query page (SELECT)

Complete a basic drill-down page (SELECT)

Complete a basic create page (INSERT)

Complete a basic delete page (DELETE)

Complete a single-page update page (UPDATE)

Complete a multi-page update (UPDATE)

Understand the foundational concepts and standards of OA Framework-based applications and pages

Course Topics

Introduction to OA Framework
Agenda
Important Terminology
Foundation Knowledge
Additional Resources

Concepts of the MVC Design Pattern
JSPs and OA Framework
Concepts of the Model
Concepts of the View
Concepts of the Controller

Basics of the Model
BC4J Model
Applications Modules
Entity Objects
View Objects
Other BC4J Objects
BC4J Database Interactions

Basics of the View
View-layer Components
Workspaces and Projects
Pages and Regions
Items
CSS Styles
Attributes Sets

Basics of the Controller
Handling GETs
Handling POSTs
Common Controller tasks
Lab

Setting Up Your Development Environment
Lab

OA Framework State Management
Lab

Introduction to JDeveloper 10g with OA Extension
Lab

Implementing a Query Page and Drill Down Page
Lab

Implementing a Create Page
Lab

Implementing a Delete Page
Lab

Implementing an Update Page
lab

OA Framework Development Concepts and Standards

Deploying OA Framework Applications
Guided Demo - Deploying Personalizations
Guided Demo - Deploying Extensions