

R12.x Extend Oracle Applications: Building OA Framework Applications

Duration: 5 Days

What you will learn

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 Developer
- Sales Consultants
- Technical Consultant

Related Training

Suggested Prerequisites

Conceptos Fundamentales de Administrador de Sistema de Oracle Applications R12

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