Oracle Application Express Workshop I Ed 2

Duration: 5 Days

What you will learn

This Oracle Application Express Workshop I Ed 2 training teaches you how to quickly and efficiently develop database-centric web applications using Oracle Application Express. Explore implementing security in your applications, managing application navigation, basic validation and debugging techniques used while developing an application in Oracle Application Express.

Learn To:

Create database applications for both desktop and mobile interfaces.
Add various components like new pages, reports regions, items and other components required to enhance an application.
Create processes, validations, computations and dynamic actions within an application.
Change the look and feel of your web applications using built-in themes and templates.
Create and use shared components for an application.
Understand managing and using session state variables.
Implement security in an application.
Manage application navigation using shared components.
Improvise your application by creating calendars, charts and trees.
Extend your application by adding advanced features like printing, BLOB object, data loading, site and more.
Enable feedback mechanisms from the application and tracking the feedback from Oracle APEX.

Benefits to You

When you walk away from this course, you will have developed the knowledge and skills to create database applications using desktop and mobile interfaces. You'll learn how to enhance your application by adding various components like reports, forms, items, dynamic actions, calendars, charts, plug-ins and other shared components required in an application.

Audience
Application Developers
Business Intelligence Developer
Database Administrators
Forms Developer
Project Manager
System Analysts
Web Administrator

Related Training
Required Prerequisites
Basic knowledge of SQL, PL/SQL, and HTML

Suggested Prerequisites
Oracle Database: SQL Workshop I
Oracle Database: SQL and PL/SQL Fundamentals

Course Objectives
Create Pages and Regions in an Application
Log in to an Oracle Application Express Workspace
Create Page and Application Items and Buttons
Create Page Processes and Validations
Implement Security
Manage Application Navigation
Extend an Application
Create Themes and Templates
Create Shared Components such as Tabs, Lists, and Breadcrumbs
Add Dynamic Actions
Import and Use Plug-Ins
Create and Use Calendars and Trees
Utilize Application Express Printing methods
Manage Application feedback
Create Reports and Forms in an application
Create and Run Database Applications using desktop and mobile interfaces

Course Topics

Course Overview
Course Goals
Course Outline
Order Management Database Application (OMDA)
Introducing Course Persona: Jack
Course Environment: Products Installed
Course Environment: Workspace Details
Accessing the Labs Directory

Introducing Oracle Application Express
Application Express Overview
Application Express Terms and Concepts
Using Application Express

Creating a Desktop and Mobile Database Application
Application Builder Overview
Introducing Database Applications
Creating Database Applications
Creating Mobile Application

Working with Reports for Desktop Application
Introducing Reports
Using Classic Reports
Using Interactive Reports
Creating and Customizing an Interactive Report

Working with Reports for Mobile Application
Creating Reports for a Mobile Application
Creating Column Toggle Report
Creating a Reflow Report

Creating Forms
Using Forms
Creating Forms
Modifying Forms
Creating a Form in a Mobile Application

Working with Pages and Regions
Introducing Page Definition
Working with Page Regions
Working with Pages

Adding Items and Buttons
Introducing Items
Using Items
Creating List of Value (LOV) Type of Items
Using Buttons

Understanding Session State
Understanding Session State in Oracle Application Express
Using Session State in Oracle Application Express

Including Page Processing
Introducing Page Processing
Including Computations
Including Processes
Including Validations
Including Branches

Validating and Debugging Your Application
Using the Advisor
Managing Your Attribute Dictionary
Debugging Your Application

Adding Shared Components That Aid Navigation
Introducing Shared Components
Creating Tabs
Creating Lists
Creating Breadcrumbs
Creating a Navigational Bar

Working with Themes, Templates and Files
Using Themes
Using Templates
Using Files

Implementing Security
Securing an Application
Using Authentication Schemes
Using Authorization Schemes
Using Session State Protection

Managing Application Navigation
Building a Hierarchical List with Images
Building a Site Map
Enforcing Authorization on Your Site Map
Linking Interactive Reports using a Declarative Filter

Extending Your Application
Creating Data Load Wizard Pages
Creating an Upload and Download Page
Adding BLOB Data to an Existing Application
Sending Email from an Application

Creating and Editing Charts
Creating and Using Charts
Enhanced Charting Examples

Adding Calendars and Trees
Using Calendars
Using Trees

Using Dynamic Actions and Plug-Ins
Using Dynamic Actions
Using Plug-Ins

Utilizing Application Express Printing
Printing a Standard Report with Derived Output
Managing Application Feedback
What is Team Development?
Managing Feedback