

Oracle Application Express Workshop II Ed 2

Duration: 3 Days

What you will learn

This Oracle Application Express Workshop II Ed 2 training will build on the knowledge learned in the 5-day Oracle Application Express Workshop I course. You'll examine topics that including learning how to use collections, add dynamic actions, create and customize plug-ins, and create and consume a RESTful Web Service.

Learn To:

Extend Your applications using collections, dynamic application and plug-ins.

Create and use RESTful Web Services.

Make your application accessible.

Customize themes and templates.

Establish a master application and corporate theme that many applications can use.

Migrate an existing application to a new theme.

Incorporate a jQueryUI ThemeRoller theme into your mobile application.

Secure, deploy and maintain your applications.

Optimize your application performance.

Benefits to You

By taking this course, you'll develop the ability to ensure that the APEX application is accessible. You'll be able to determine which theme to use based on the type of application you want to build (desktop, mobile or responsive) as well as how to customize the templates.

Set Up a Master Template Application

This course will teach you how to set up a Master (Template) Application that contains common regions used as a starting point. You'll learn how to build a landing pad page that helps to navigate throughout the application. Expert Oracle University instructors will help you explore some considerations when upgrading your APEX applications to a responsive theme while incorporating a new jQueryUI ThemeRoller theme into your existing mobile 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

Oracle Application Express Workshop I Ed 2

Suggested Prerequisites

Oracle Database: PL/SQL Fundamentals

Oracle Database: SQL Workshop I

Course Objectives

Create and use RESTful Web Services

Customize themes and templates

Create a master application and custom theme

Migrate an existing application to a responsive theme

Incorporate interactivity in your application

Build tabs based on a static list

Secure your application

Deploy and maintain your applications

Optimize your application performance

Extend Your applications using collections, dynamic applications, and plug-ins

Course Topics

Course Overview

Course Objectives

Lesson Schedule

Course Environment: Products Installed

Course Environment: Workspace Details

Accessing the Labs Directory

Introducing Course Persona

Introducing Course Persona

Quick Review of What You Already Know

Securing Database Applications

What is a Packaged Application?

Components of Team Development

Workspace Administration
Other Components
Packaged Application Used in this course
Additional Resources

Using Collections

What is a Collection?
Create a collection on an interactive report

Extending Your Application: Dynamic Actions

Adding Dynamic Actions

Extending Your Application: Plug-ins

Authentication/Authorization Plug-in Capability
Using and Customizing the CSS Bar Chart Plug-In

Incorporating Interactivity in Your Application

Tooltip
Scrolling Region
Add buttons with conditions in the report page to display report based on the conditions
Add a procedure in AJAX to refresh a page region periodically
Configuring Oracle Application Express to send email

Generating and Using Table APIs

What is a Table API?
Generate a Table API
Modify the Table API
Add a Form to an Application that shows how to add the process that will insert or update the database using the Table A

Creating and Using RESTful Web Services

What is a RESTful Web Service?
Components of a RESTful Web Service
An Example: RESTful Web Service
Creating a new RESTful Web Service
Consuming a RESTful Web Service in an APEX Application

Using Themes and Templates

Application Types: Desktop, Mobile, Responsive - Explain what they are and what criteria determines which application t
Theme Overview: Which ones are for which type of Application
Review the layout of a Page template
Include using CSS to customize the template
Using Substitution Strings in Templates
Utilize new page attributes - files/inline styles
Create and modify a theme
Establishing a Master Application and a Corporate Theme

Developing a New Theme for Your Application Using ThemeRoller

What is ThemeRoller?
Create a theme using the ThemeRoller

Securing Your Application

What Is a Directory?

- Oracle Internet Directory
- Technical Architecture: Overview
- Authenticating Users by Using LDAP
- SQL Injection
- Cross-Site Scripting
- Browser Security
- Application Level Security

Deploying and Maintaining Your Application

- Application Components
- Things to consider
- Backups

Optimizing Your APEX Application

- Application Performance Considerations
- Managing Services
- Monitoring Activity
- Database Configuration Considerations
- Monitoring Application Performance

Globalization and Translation

- Understanding Application Translation and Globalization Support
- Specifying the Primary Language for an Application
- Loading a New Language
- Translating an Application
- Translating the Data the Application Uses
- Localization
- Switching Languages