

Oracle APEX Course Content

Course Duration - 40-50 Hrs., 6-8 Weeks

Course Information

Batch Options

Weekday Batch
Mon – Fri – 1.5 Hr./Day

About the Trainer

Industry Expert Trainer with 15+ Years
Real Time Work Experience at Top US
Based Product and Consulting Firms

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Introduction To Oracle APEX Training

Oracle APEX

Oracle APEX is the world's most popular enterprise low-code application platform that enables you to build scalable, secure web and mobile apps.

Want to become **Oracle APEX Certified Developer** or **Specialist**? Attend this **Best Oracle APEX training** course offered by the Unogeeks (Rated as **Top Oracle APEX Training Institute** in the market)

What you'll learn

- How to create secure, scalable enterprise scale APEX Apps on Oracle Cloud
- Build and manage powerful reports.
- Develop and manage different types of forms.
- **Build a variety of pages:** Cards, Faceted Search, Smart Filters, Maps, Charts and Calendars
- Manage pages and regions.
- Implement navigation in APEX applications.
- Enhance APEX app using Computations, Processes, Validations and Dynamic Actions
- Implement Security in APEX application.
- Extend APEX application capabilities.
- Migrate application development between environments.
- To prepare students for **Oracle APEX Certification Exams**
- To provide help in resume preparation and provide interview guidance.

Course Content

Module 1: Introduction to Oracle APEX

- What is Oracle APEX?
- Introduction to Oracle Autonomous Database
- Understand Low Code Application Development
- Oracle APEX Availability and Architecture
- Oracle APEX Use Cases

Module 2: Oracle APEX Set Up

- Provisioning an APEX Workspace
- APEX History and Product Components
- Oracle APEX Architecture in detail
- Previewing out of the box apps given by Oracle
- Installing a Sample APEX Application

Module 3: Build First Application in APEX

- App Builder Concepts
- App Builder and the Create App Wizard
- Application Based on Existing Tables
- Create an Application from a File

Module 4: SQL Workshop

- Object Browser
- Use SQL Commands and SQL Scripts
- Generate SQL by Using Quick SQL
- Usage of PL SQL in APEX Apps
- Build Sample Datasets

Module 5: Team Development and APEX Adminsitrator

- Purpose of Team Development
- Understand Labels, Milestones, Templates
- Create and Manage Issues
- Team Development Utilities
- Create Oracle APEX users
- Types of Oracle APEX Users and control access

Module 6: Build Complex Point of Sale (POS) APEX App - Part 1

- Introduction to Point of Sale App Design
- Design and Set up Data Model for POS App
- Build complex APEX Application Page to manage Sales at Store
- Add Administration in POS App using various APEX Components

Module 7: Build Complex Point of Sale (POS) APEX App - Part 2

- Build complex APEX Application Page to manage Sales
- Build Complex Apex Page to Add and Manage Customers
- Build Complex Dashboard Page to Display Stock and Other Details
- Create and Manage List of Values
- Create and Customize Buttons

Module 8: Build Expense Tracker App - Part 1

- Introduction to Expense Tracker App Design
- Design and Set up Data Model for Expense Tracker App
- Build page to add variety of expenses
- Build complex page to display transactions.
- Create Form and Report on same Page.
- Reset Form after CRUD Operations

Module 9: Build Expense Tracker App - Part 2

- File upload in Oracle APEX
- File Download in Oracle APEX
- Restrict File upload based on file type and file size

Module 10: Implementing Security in your Application POS Application - POS App - Part 3

- Understanding and Using Custom Authentication Scheme
- Understanding and Using Oracle APEX Account Authentication Scheme
- Understanding and Using Authorization Schemes
- Creating and Using Access Control Administration Page
- Understand user authorization and access control

Module 11: Design POS Purchaser App

- Introduction to POS Purchaser App
- Design the app and setup the data model.
- Introduction to Understanding Security and Authentication

Module 12: Build POS Sales App

- Discuss the design for Parent Child Relationship Regions
- Add product in table and dynamically fetch details.
- Use APEX Collections to store data in run-time memory.
- Delete the data from APEX Collections.

Module 13: Build POS Sales App - Part 2

- Custom Interactive Grids Actions and buttons
- Add Custom CSS to columns of interactive report to highlight.
- Custom Interactive Grids Actions and buttons

Module 14: APEX Computations, Processes and Validations - Ecommerce/POS App

- Understanding Page Rendering and Page Processing
- Manage APEX Computations
- Creating and Understanding Page Processes
- Build and Manage Validations in APEX
- Understand Validations and Branches

Module 15: Creating and Using Dynamic Actions - POS App

- Understanding Dynamic Actions
- Enabling and disabling Items using Dynamic Actions
- Setting an Item Value using Dynamic Actions
- Filtering and Refreshing a Report using Dynamic Actions

Module 16: Build Dynamic Form, Plugin and Theme in POS App

- Understand Dynamic Form
- Create Dynamic Form from SQL
- Use Different types of inputs in Dynamic Form
- Create new theme from existing theme.
- Use Redwood theme in Application.
- Create and Use Plugin

Module 17: Build Employee Leave Approval Application - Part 1

- Understand Employee App Solution
- Set up required data model and load data
- Build required pages to apply for leave for Employees.
- Create, Edit and Manage Automations

Module 18: Build Employee Leave Approval Application - Part 2

- Introducing and Managing Approvals
- Creating Task Definitions for Approvals
- Understanding Potential and Business Admin Roles in Task Definition

Module 19: Build Employee Leave Approval Application - Part 3

- Creating Task Created By Me Page to track the tasks for Employee
- Creating Task Assigned to Me Page to approve the tasks for Manager.
- Creating Task Assigned to Me Page to approve the tasks for Business Admin
- Test the approval application from Employee, Manager and Business Admin Role

Module 20: Build E-Supplier Portal from Fusion - Part 1

- Understanding and testing Fusion REST API through Postman
- Creating and Managing REST Data Sources - Part 1
- Creating and Managing REST Data Sources - Part 2

Module 21: Build E-Supplier Portal from Fusion - Part 2

- Create the Interactive Report to all Fusion Suppliers in APEX
- Create the Form to see one Fusion Suppliers in APEX
- Use REST API in PLSQL code
- Parse REST API response in PLSQL code

Module 22: Miscellaneous Topics

- Understanding Themes
- Understanding Theme Styles and Theme Roller
- Understanding Templates
- Managing Themes and Using Custom CSS
- Creating and Using Lists
- Creating and Using Navigation Menu and Navigation Bar List
- Sending Emails
- Adding Search to an Application

Module 23: Guidance on Certification, Interview and Resume Preparation

- We will provide most comprehensive guidance in Oracle APEX Certification
- We will share couple of resumes and help you prepare Perfect Oracle APEX resume
- We will teach all possible interview questions in Oracle APEX