

# Oracle ADF 12c Training Course

## **Introduction to Fusion and ADF**

Oracle ADF and JDeveloper  
Oracle Fusion Middleware  
Oracle Fusion Architecture  
ADF and MVC  
More about ADF

## **Exploring JDeveloper**

JDeveloper 12c New Features  
Building ADF Application in JDeveloper  
Configuring JDeveloper Preferences

## **Database Schema Design**

Database Designing Tools in JDeveloper  
Creating Offline Objects  
Synchronize Online-Offline Database

## **Data Modeling with ADF Business Components**

Advantages of ADF BC  
ADF BC Categories  
Creating ADF Business Components  
Business Component Browser

## **Entity Objects and Associations**

Data Persistence using Entity Objects  
Creating Entity Objects  
Modify Entity Object Default Behaviour  
Associations

## **View Objects and View Links**

Populating Data in View Objects  
Creating View Objects  
View Links  
Creating View Criteria  
Creating List of Values

## **Application Modules**

Designing Application Module  
Creating Application Module  
Application Module Editor  
Testing Service Methods

## **Programmatically Modifying Default Behavior**

Supporting Java Classes  
Modify Entity Object Behavior  
Modify View Object Behavior  
Service Methods and Application Module

## **Business Validation**

- Validation Life Cycle
- Built-in Declarative Validation Rules
- Validation Execution
- Failure Handling
- Groovy Support
- Creating Validation Rule Class

## **Introduction to User Interface Technologies**

- User Interface – Available Technologies
- Java Server Faces
- ADF Faces

## **Understanding ADF Data bindings**

- ADF Data Model and Bindings
- Exposing Business Components as Data Controls
- JSF Expression Language
- Binding Components to Data

## **Understanding ADF Task Flows**

- Characteristics of ADF Task Flow
- Creating a Task Flow
- Using ADF Task Flow Components
- Using Method Call Activities
- Creating Managed Beans

## **Enriching the Page Content**

- ADF Faces Rich Client Components
- Using Facets
- Using ADF Faces Components
- UI and Translation

## **Understanding Layout Basics**

- ADF Faces Layout Components
- ADF Faces Skins
- Enabling PPR

## **Ensuring Re-usability**

- Pros and Cons of Reusability
- Reusing Components
- Designing for Reuse
- Creating ADF Library
- What Fits your Requirements

## **Implementing Page Navigation**

- ADF Faces Navigation Components
- Performing Navigation
- Defining Access Keys
- Using Train Components

## **Handling Application Events**

- JSF Page Life Cycle

ADF Lifecycle Phases  
Creating Action Methods  
Value Change Events

### **Managing and Validating Data**

Holding Values in Data Model  
Holding Values in Managed Beans  
Passing Values between Pages  
Validation Event Points  
ADF Binding Validation  
ADF Faces Validation

### **Transaction Management**

Handling Transactions with ADF BC  
Transaction in ADF Task Flow  
Specifying Task Flow Transaction Start Options

### **Troubleshooting ADF Applications**

Logging and Diagnostics  
Java Logging  
ADF Logging  
ADF Declarative Debugger  
UI Troubleshooting Tools  
Configuring ADF Logging

### **Deploying ADF Applications (WebLogic)**

Creating a WAR Profile  
Creating a EAR Profile  
Testing the Server Connectivity  
Deploying the Application

### **Runtime Customization**

### **Declarative Components**

### **Web Services**

### **ADF Security**