

Oracle ADF Online Training Course Content

Faculty: Real time and certified

(Includes theoretical as well as practical sessions)

ORACLE ADF Course Content

1. Introduction to Fusion and ADF

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

2. Exploring JDeveloper

- JDeveloper 11g New Features
- Building ADF Application in JDeveloper
- Configuring JDeveloper Preferences

3. Database Schema Design

- JDeveloper 11g New Features
- Database Designing Tools in JDeveloper
- Creating Offline Objects
- Synchronize Online-Offline Database

4. Data Modeling with ADF Business Components

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

5. Entity Objects and Associations

- Data Persistence using Entity Objects
- Creating Entity Objects
- Modify Entity Object Default Behavior
- Associations

6. View Objects and View Links

- Populating Data in View Objects

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- Creating View Objects
- Modify View Object Default Behavior
- View Links
- Creating View Criteria
- Creating List of Values

7. Application Modules

- Designing Application Module
- Creating Application Module
- Application Module Editor

8. Programmatically Modifying Default Behavior

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

9. Business Validation

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

10. Introduction to User Interface Technologies

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

11. Understanding ADF Data bindings

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

12. Understanding ADF Task Flows

- Characteristics of ADF Task Flow

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- Creating a Task Flow
- Using ADF Task Flow Components
- Using Method Call Activities
- Creating Managed Beans
- **13. Enriching the Page Content**
- ADF Faces Rich Client Components
- Using Facets
- Using ADF Faces Components
- UI and Translation
- **14. Understanding Layout Basics**
- ADF Faces Layout Components
- ADF Faces Skins
- Enabling PPR
- **15. Ensuring Reusability**
- Pros and Cons of Reusability
- Reusing Components
- Designing for Reuse
- Creating ADF Library
- What Fits your Requirements
- **16. Implementing Page Navigation**
- ADF Faces Navigation Components
- Performing Navigation
- Defining Access Keys
- Using Train Components
- **17. Handling Application events**
- JSF Page Life Cycle
- ADF Lifecycle Phases
- Creating Action Methods
- Value Change Events
- **18. Managing and Validating Data**
- Holding Values in Data Model
- Holding Values in Managed Beans
- Passing Values between Pages

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- Validation Event Points
- ADF Binding Validation
- ADF Faces Validation
- **19. Transaction Management**
- Handling Transactions with ADF BC
- Transaction in ADF Task Flow
- Specifying Task Flow Transaction Start Options
- **20. Deploying ADF Applications (WebLogic)**
- Creating a WAR Profile
- Creating a EAR Profile
- Testing the Server Connectivity
- Deploying the Application