Oracle Middleware 12c: Build Rich Client Applications with ADF Ed 1

CODICE	DURATA	PREZZO	LINGUA	MODALITÀ
D76564GC10	5 Giorni	2.500,00€ (iva escl.)	Italiano	Virtual Classroom Corso in aula

SCHEDULAZIONE

- A Richiesta

PREREQUISITI

Basic experience with Oracle JDeveloper

Java SE 8 FundamentalsNEW

Audience

Application Developers

Developer

J2EE Developer

Java EE Developers

OBIETTIVI

Build and customize a business service by using ADF Business Components

Expose the data model in a web application with a rich ADF Faces user interface

Create JSF pages

Use rich client components in JSF pages

Add validation to ADF applications

Secure web applications

Test, debug, and deploy the ADF Business Components and the web application

CONTENUTI

Introduction to Oracle ADF and JDeveloper

About Oracle Fusion Middleware architecture

How ADF fits into the architecture?

Discussing ADF technology stack

Explaining benefits that JDeveloper provides for application development

About main windows and editors in the JDeveloper IDE

Creating applications, projects, and database connections
Building a Business Model with ADF Business Components
About ADF Business Components
Creating entity objects and associations from database tables
Creating view objects and view links
Defining master-detail relationships between view objects
Creating application modules
Testing applications
Refactoring business components
Creating Data-Bound UI Components
About dynamic webpage technologies
Explaining JavaServer Faces and the JSF component architecture
Describing standard JSF components
Discussing ADF Faces rich client components
Creating JSF pages
Adding data-bound components to JSF pages
Defining Task Flows and Adding Navigation
How ADF extends the JSF controller?
Creating task flows
Discussing ADF Faces navigation components
Declaratively Customizing ADF Business Components
Editing business components
Modifying the default behavior of entity objects, view objects, and application modules
Creating lists of values (LOVs)
Creating nested application modules
Validating User Input
Understanding validation options: Database, Data Model, or UI
Triggering validation execution
Handling validation errors
Writing Groovy expressions to use in validation
Internationalizing messages
Modifying Data Bindings Between the UI and the Data Model
Reviewing Oracle ADF model layer
Creating and using ADF data controls
Discussing expression Language (EL) and data bindings
Creating and editing data bindings
Examining data binding objects and metadata files
Adding Functionality to Pages
Displaying a selection list of values
Displaying tabular data in tables
Displaying hierarchical data in trees
Defining and using search forms and displaying the results

Displaying data graphically
Creating and configuring a backing bean
Adding Advanced Features to Task Flows and Page Navigation
Creating bounded and unbounded task flows
Creating routers for conditional navigation
Calling methods and other task flows
Creating menu items, menu bars, pop-up menus, context menus, and navigation panes
Defining breadcrumbs and trains
Creating and using page fragments
Adding a bounded task flow as a region
Passing Values Between UI Elements
Defining the data model to reduce the need to pass values
Creating a managed bean to hold values
Storing values in memory-scoped attributes
Passing values by using parameters
Responding to Application Events
Discussing JSF and ADF life cycle phases
Implementing partial page rendering (PPR)
Working with value change event listeners
Working with action event listeners
Understanding additional ADF Faces server events
Programmatically Implementing Business Service Functionality
Deciding where to add custom code
Overview of the framework classes
Generating Java classes for business components
Overriding class methods
Implementing programmatic modifications
Adding service methods to an application module
Calling business component client APIs
Accessing ADF bindings programmatically
Implementing Transactional Capabilities
Handling transactions with ADF BC
Specifying transaction control in task flows
Sharing data controls
Handling transaction exceptions
Defining response to the Back button
Building Reusability into Pages
Designing pages for reuse
Creating and using page templates
Creating and using page fragments
Packaging reusable components into libraries
Achieving the Required Layout

Defining and using component facets
Defining and using complex layout components
Defining and using dynamic page layout
Adding a custom look by using ADF Faces skins
Debugging ADF Applications
Troubleshooting techniques
Configuring logging and diagnostics
Debugging business services by using the Oracle ADF Model Tester
Debuging an application in JDeveloper
Developing regression tests with JUnit
Implementing Security in ADF Applications
Benefits of securing web applications
Understanding the ADF security framework
Implementing ADF security
Enabling users to access resources
Implementing a login page
Accessing security information programmatically
Extending security capabilities by using Expression Language
Deploying ADF BC Applications
Understanding the deployment steps
Creating deployment profiles and configuring deployment options
Changing the context root for an application
Deploying an application from JDeveloper

Building files for deployment by using ojdeploy

Description:

This Oracle Middleware 12c: Build Rich Client Applications with ADF Ed 1 training teaches you how to use the powerful, declarative features of ADF Business Components to build and test reusable business services, which you then expose in the user interface using ADF Faces client components. Each ADF Faces component offers complete customization, skinning and support for internationalization and accessibility, as well as a rich rich set of visualization components capable of rendering dynamic charts, graphs, gauges and other graphics that provide real-time updates.

Learn To:

Build end-to-end web applications.
Build rich user interfaces with ADF Faces.
Develop Java EE components with Oracle ADF.
Use the new capabilities of Oracle JDeveloper 12c.

Benefits to You

By taking this course, you will simplify application development in your organization to increase productivity. You'll become more efficient at building Java EE applications using Oracle ADF (innovative yet mature Java EE development framework) and deploying an end-to-end web application.

Build Complex Navigation between Pages

Working with expert Oracle University instructors, you'll also learn how to quickly build complex navigation between

pages, define validation logic and secure the application. After using the Fusion technology stack to build and test each part of your application, you'll get a chance to deploy the application to an Integrated WebLogic Server.

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Prezzi e corsi potrebbero subire variazioni; si consiglia di verificare sul sito www.novanext.it/training.