

Oracle iDS Forms: Build Internet Applications II

What you will learn:

This course introduces you to Oracle Forms (6i) Developer, a productive development environment for building enterprise-class Internet database applications. You create multiple-form Internet applications and manage multiple transactions across modules. You add custom menus, reports, and charts, and use reusable components. You also add Java Beans and Pluggable Java Components in your Web-based forms.

The course also teaches you to work with record groups, apply timers in web-based forms, define function keys, and use server features in forms.

Audience:

Forms Developer
Developer
Application Developers

Prerequisites:

Required Prerequisites:

[Oracle iDS Forms: Build Internet Applications I](#)

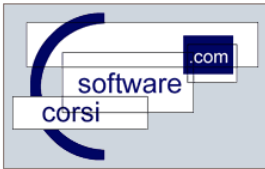
Course Objectives:

- Choose appropriate data sources for data blocks
- Ensure application security with Oracle8i database roles
- Work with Oracle8i objects in Form Builder
- Implement triggers that respond to function keys, mouse movement and mouse button actions, and window manipulation
- Enhance the user interface with Java Beans
- Include charts and reports in Oracle Forms Developer Internet applications
- Manage transaction processing in multiple-form Internet applications
- Create and manage multiple-form Internet applications
- Create, modify, and attach menu documents to Oracle Forms Developer Internet applications

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Course Topics:

Creating a Menu Document



Menu Documents Overview
Creating a Menu Document
Saving and Attaching a Menu Document
Creating Smart Bars
Creating Pop-Up Menus

Managing Menu Documents

Controlling Menu Documents with Built-in Subprograms
Implementing Menu Security with Oracle8i Database Roles

Programming Function Keys

Defining Key Triggers
Writing Key Triggers
Identifying the Characteristics of Key Triggers
Using Key Triggers
Associating Key Triggers with Other Interface Controls

Responding to Mouse Events

Defining Mouse Events
Responding to Mouse Events
Responding to Mouse Button Actions
Identifying Limitations of Mouse Triggers with Web-Deployed Forms

Controlling Windows and Canvases Programmatically

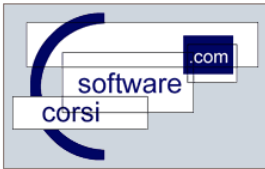
Managing Single Document Interface (SDI) and Multiple Document Interface (MDI) windows with Web-Deployed Forms
Managing Images Within Web-Deployed Forms
Displaying Multiple Windows
Defining Window Interaction Triggers
Manipulating Windows with Built-in Subprograms
Manipulating Canvas Views with Built-in Subprograms
Managing Windows and Multiple Data Blocks
Managing Windows and Large Data Blocks

Defining Data Sources

Defining Data Source Types
Basing a Data Block on a From Clause Query
Basing a Data Block on a Stored Procedure
Returning a REF Cursor
Returning a Table of Records

Working with Oracle8i Objects in Form Builder

Representing Object Types in Oracle Forms Developer
Creating a Data Block Based on an Object Table
Creating a Data Block Based on an Object Table Using REF columns
Populating a REF Column with a List of Values (LOV)



Controlling Data Block Relationships

- Defining Relations
- Creating a Foreign Key Relation
- Creating a REF Relation
- Modifying a Relation
- Coordinating Data Blocks
- Defining Coordination Properties for Web-Deployed Forms
- Defining Characteristics and Principles of Relation-Handling Triggers
- Implementing a Coordination-Type Toggle

Building Multiple-Form Applications

- Defining Methods of Invoking Addition Form Modules
- Opening, Calling, and Closing Form Modules
- Navigating Between Web-Deployed Forms
- Controlling Open Forms Modules and Called Form Modules
- Managing Transaction Processing for Open and Called Forms
- Using Form Parameters
- Creating and Manipulating Parameter Lists
- Passing Data Between Form Modules

Working with Record Groups

- Defining and Using Record Groups
- Controlling Record Groups with Built-in Subprograms
- Defining Query Record Groups Programmatically
- Defining Non-Query Record Groups Programmatically
- Defining Lists of Values (LOV) Programmatically
- Implementing Dynamic List Items
- Adding Values to Combo Boxes

Reusable Components

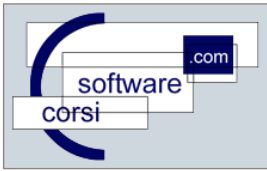
- Defining Reusable Components
- Using Reusable Components in Web-Deployed Forms
- Including the Calendar Object
- Including the Picklist Object

Using Java in Web-Deployed Forms

- Defining Fonts and Colors for Web-Deployed Forms
- Deploying Web Forms with Java Components
- Incorporating JavaBeans and Pluggable Java Components (PJC) in Web-Deployed Forms
- Exploiting Oracle8i features in Web-Deployed Forms

Using Server Features in Forms

- Using Server Functionality
- Managing PL/SQL



Recognizing Supported PL/SQL8 Features in Oracle Forms Developer
Handling Oracle8i Server Errors
Identifying the Cause of Declarative Constraint Violations
Performing Data Definition Language (DDL) with FORMS_DDL

Applying Timers

Defining Timers
Handling Timer Expiration
Creating, Modifying, and Deleting Timers
Managing Timers in Web-Deployed Forms

Including Charts and Reports

Invoking the Chart Wizard
Including Charts Using the Chart Wizard
Invoking the Report Wizard
Including Reports Using the Report Wizard
Including Reports in Web-Deployed Forms Using Built-in Subprograms
Integrating Other Files in Web-Deployed Forms

Suggested Next Courses:

[Oracle iDS Reports: Build Internet Reports](#)