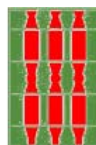




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Corso **Oracle Database Forms-Developer: Build Internet Applications**

Descrizione

Questo corso insegna a sviluppare e utilizzare applicazioni realizzate con Oracle9i Forms su Internet. Lavorando in un ambiente di sviluppo facilitato, i partecipanti impareranno a personalizzare il layout dei forms, attraverso la creazione di campi specifici e a controllare l'accesso ai dati mediante la creazione di event-trigger. In questo corso pratico, verrà anche spiegato come fare il testing ed il debug dei moduli forms via Web.

Argomenti

Introduction to Oracle Forms Developer and Oracle Forms Services

Internet Computing Solutions
What Is the Oracle9i Internet Platform?
Oracle9iAS Architecture and Components
Forms Services Architecture
Oracle9iDS Components
Oracle9i Forms Developer Key Features
Forms Builder Components
Navigating the Forms Builder Interface
Running a Forms Developer Application
Running a Form
Web Form Tester
Starting a Run Time Session
What are the Forms Servlet and Listener Servlet?
What Is the Forms Client?
Defining Forms Environment Variables
What You See at Run Time
Identifying the Data Elements

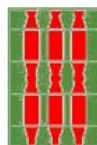
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Working in the Forms Developer Environment

- Forms Builder Key Features
- Forms Developer Executables
- Forms Builder, Forms Compiler
- Invoking Forms Executables
- Forms Builder Module Types
- Forms Builder Module Object Hierarchy
- Testing a Form with the Run Form button
- Starting OC4J

Creating a Basic Form Module

- Creating a New Form Module
- Creating and modifying a New Data Block
- Modifying the Layout
- Template Forms
- Saving and Compiling a Form Module
- Deploying a Form Module
- Moving the Form to the Middle Tier
- Generating on the Middle Tier
- Working with Data Blocks and Frames
- Managing Object Properties
- Re-entrant Wizards
- Layout Editor
- Property Palette
- Controlling the Behavior of Data Blocks
- Setting Navigation and Database Properties
- Controlling the Appearance of Data Blocks
- Setting Record, Scrollbar and Frame Properties

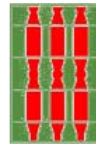
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Working with Text Items

- Creating a Text Item
- Modifying Appearance
- Controlling the Data of a Text Item
- Altering the Navigational Behavior of a Text Item
- Enhancing the Relationship between Text Item and Database
- Adding Functionality
- Displaying Helpful Messages

Creating LOVs and Editors

- LOVs and Record Groups
- Creating an LOV
- LOV Properties
- Creating an Editor
- Setting Editor Properties
- Associating an Editor with a Text Item
- Creating Additional Input Items
- Creating a Check Box
- Setting Check Box Properties
- Creating a List Item
- Setting List Item Properties
- Creating a Radio Group
- Setting Radio Group Properties

Creating Noninput Items

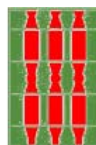
- Creating a Display Item
- Creating an Image Item
- Setting Image Item Properties



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Creating a Push Button
Setting Button Properties
Creating a Calculated Item
Setting Calculated Item Properties
Creating a Hierarchical Tree Item

Creating Windows and Content Canvases

What Are Windows and Canvases?
Relationship between Windows and Content Canvases
Displaying a Form Module in Multiple Windows
Creating a Window
Setting Window Properties
Displaying a Form Module on Multiple Layouts
Creating a New Content Canvas
Setting Content Canvas Properties
Working with Other Canvas Types
Overview of Canvas Types
Creating a Stacked Canvas
Setting Stacked Canvas Properties
Setting Toolbar Properties
Creating a Toolbar Canvas
Creating a Tab Canvas
Setting Tab Canvas Properties

Introduction to Triggers

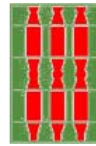
Trigger Components
Type, Code and Scope
Trigger Execution Hierarchy



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Producing Triggers

- Creating Triggers
- Setting Trigger Properties
- PL/SQL Editor Features
- Database Trigger Editor Features
- Writing Trigger Code
- Adding Functionality with Built-in Subprograms
- Using Triggers

Debugging Triggers

- The Debugging Process
- The Debug Console
- Call Stack
- Variables
- Watch List
- Form Values
- PL/SQL Packages
- Global/System Variables

Adding Functionality to Items

- Item Interaction Triggers
- Defining Functionality for Input Items
- Interacting with Check Boxes
- Changing List Items at Run Time
- Defining Functionality for Noninput Items
- Displaying LOVs from Buttons
- Populating Image Items
- Populating Hierarchical Trees



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Runtime Messages and Alerts

Runtime Messages and Alerts Overview
Built-Ins and Handling Errors
Controlling System Messages
The FORM_TRIGGER_FAILURE Exception
Triggers for Intercepting System Messages
Creating and Controlling Alerts
Handling Errors Raised by the Oracle Database Server
Query Triggers
Query Processing Overview
SELECT Statements Issued During Query Processing
WHERE and ORDER BY clauses
The ONETIME_WHERE property
Writing Query Triggers
Query Array Processing
Coding Triggers for Enter-Query Mode
Overriding Default Query Processing

Validation

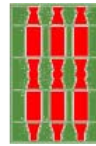
Validation Process
Controlling Validation Using Properties
Form-level Properties
Block-level Properties
Item-level Properties
Controlling Validation Using Triggers
When-Validate-Item Trigger
When-Validate-Record Trigger



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Navigation

- Navigation Overview
- Understanding Internal Navigation
- Controlling Navigation Using Object Properties
- Writing Navigation Triggers
- Using Pre- and Post- Triggers
- Using When-New-<object>-Instance Triggers
- The Navigation Trap
- Using Navigation Built-Ins in Triggers

Transaction Processing

- Transaction Processing Overview
- The Commit Sequence of Events
- Characteristics of Commit Triggers
- Common Uses of Commit Triggers
- The Life of an Update
- Delete Validation
- Assigning Sequence Numbers
- Keeping an Audit Trail

Writing Flexible Code

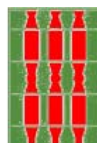
- Using System Variables for Flexible Coding
- Using Built-in Subprograms for Flexible Coding
- Referencing Objects by Internal ID
- Referencing Items Indirectly



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Sharing Objects and Code

Benefits of Reusable Objects and Code
What Are Property Classes?
Creating a Property Class
Inheriting from a Property Classes
What Are Object Groups?
Creating and Using Object Groups
Copying and Subclassing Objects and Code
What is an Object Library

Obiettivi

Creazione di moduli forms, inclusi i componenti per l'interazione con il database e i controlli GUI
Visualizzare i moduli forms su diverse window utilizzando una varieta' di stili
Richiamare un modulo form da un altro
Creazione di trigger
Condivisione di codice pl/sql e di object del modulo form
Testing di un modulo forms in un browser Web
Debugging di un modulo forms in una architettura a tre livelli

Partecipanti

Sviluppatori Java

Prerequisiti suggeriti

Introduction to Oracle: SQL
Oracle: Programmare con PL/SQL

Docenti

Personale docente Oracle University.

Durata del corso: 30 ore, in 5 giorni.

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