

Course overview:

Oracle 9iDS Forms II: Build Internet Applications

(D018eng)



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Overview and objectives

This 5-day course builds upon the introductory topics of the Oracle9iDS Forms I course to allow developers to customize applications using complex PL/SQL triggers and object oriented programming techniques. Topics include writing internal timers, building reusable objects and using reusable object libraries, incorporating PL/SQL libraries and accessing built-in program units. On course completion, students will be able to:

- Customize complex Internet applications
- Build reusable modules for rapid productivity
- Develop and debug complex triggers and program units
- Control presentation with windows, canvases and dialog boxes
- Building specialty stored procedure data blocks

Who should attend?

The target audience for this course is Oracle web developers. Students should have attended the following course or have equivalent knowledge and experience:

- Oracle9i SQL Introduction
- Oracle9i Advanced SQL Introduction
- Oracle9i PL/SQL Language Introduction
- Oracle9i Developer PL/SQL Program Units
- Oracle9iDS Forms I: Build Internet Applications

Validation triggers

Introducing built-ins using alerts

- Form object builtins • Form processing built-ins • Menu module built-ins • Using object IDs • Setting object properties • Alert built-ins

Item built-ins

- General • Navigation • GUI widgets • Images • Get and set properties • Radio button get and set properties • GET_FILE_NAME

Built-ins for other functional objects

- Block • Record • LOV • Editor • Application • Form module • Form control • Menu • Relation • More about restricted built-ins • Which built-ins are usually restricted • Triggers which permit restricted built-ins • Restricted built-ins table • Triggers that call restricted built-ins

System and global variables

- Using system variables • Using global variables

Intermediate-level triggers and built-ins

- User action triggers • Navigational triggers • Query triggers and built-ins • Block processing triggers • Key triggers and built-ins • Key triggers table
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Window, canvas and error customization

- Window built-ins • Window triggers • Canvas built-ins • Programming tab pages • WHEN-TAB-PAGE-CHANGED triggers • Custom message and error processing

Advanced forms customization

- What are timers? • About using WHEN-TIMER-EXPIRED • Timer built-ins • Record groups and dynamic lists • Dynamically alter list built-ins • Get list properties built-ins • Calling other modules • Parameter lists

Object orientation

- Inheritance with property classes • Create a property class • Inheriting a property class • About subclass symbols • Rules about inheritance • Inheritance with objects • Building components with object groups • About object libraries • Object library with tab categories • SmartClass

Integrating server-side logic

Stored procedure blocks

- Data block source • Stored procedure data blocks • Create DEPARTMENT_PACKAGE specification
- PL/SQL package body definition

Introducing the forms debugger

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