

# Oracle BPM 11g: Implement the Process Model

## Overview of Oracle BPM Process Implementation

- Review of Oracle BPM Architecture
- Review of BPM Modeling
- Overview of the Development Environment:
- About Process Accelerators
- Introducing the SalesQuote Model

## A Collaboration: Developer and Process Analyst

- Collaborative Process Design: An Overview
- Introducing Process Composer
- Creating project templates for the Business Process Composer user
- Discussing the Developer's role in supporting the process analyst

## Using Business Objects

- Working with information in a process
- Explaining Data Objects and their scope
- About Data object types and their representation
- Describing Data mapping and association
- Creating a Business Object
- Declaring Process and Project Data Objects
- Defining business indicators

## Implementing User Tasks

- Overview of human tasks
- Creating a human task
- About Human task patterns
- Explaining Parameters and data association
- About Task forms

## Writing Expressions and Initializing Variables

- Introducing expressions
- About Simple expressions
- About XPath expressions
- About XSL transformations
- Discussing a more advanced XPath example
- Using expressions in conditional transitions

## Building Web Forms in Business Process Composer

- Overview of Web Forms
- Introducing the Web Form Designer
- About the Development Approach
- Adding Components to a Web Form
- Customizing Components of a Web Form
- Adding Form Rules to a Web Form

## Implementing Business Rule Tasks

- Overview of Business Rule
- Discussing Rulesets and Bucketsets
- About Globals
- Creating business rules
- Testing business rules

## Defining Human Workflows

- Overview of Human workflow
- About Patterns
- Defining human workflows
- About Task options
- Defining and using parametric roles
- The ApproveDeal human workflow: An example

## Implementing Service Tasks

- Overview of Services and References
- Overview of Service Adapters
- Overview of Mediators and BPEL Services
- Creating a Service Task

## Overview of Events

- Overview of events
- More on Timer events
- More on Signal events
- Discussing the exclusive XOR Event Gateway

## Controlling and Organizing the Process Flow

- Overview of Subprocesses
- About the embedded subprocess
- About the reusable subprocess

- About the event subprocess
- Interrupting or altering the process flow
- About Peer process communication
- About Interprocess communication
- Setting up an interprocess communication using Message events

## Handling Exceptions in the BPM Process

- Overview of Exception handling
- About System events and Business events
- Handling errors for an activity and a subprocess
- Handling errors at the process level
- Discussing Error events
- Error handling in a reusable subprocess
- Error handling in a called peer process
- Explaining Policy driven exception handling