

Chapter 1: Getting Started

You will learn:

- IDE: Integrated Development Environment.
- MVC: Model-View-Controller Architecture.
- BC4J: Business Components for Java.
- Oracle 9iAS MVC Framework for J2EE.
- User Interface XML - UIX.
- JHeadstart.
- Application structure file.
- Application structure file attributes.
- BC4J custom properties.
- Domain definition file.
- Running the Application Generator.

Chapter 2: Features and Facilities

You will learn:

- JDeveloper features.
- Java in the database.
- Simplified database access.
- IDE: Integrated Development Environment.

Chapter 3: Programming Environment

You will learn:

- The JDeveloper environment.
- The Command area.
- The Development area.
- Viewers and View tabs.
- Customizing the component palette.

Chapter 4: Managing Programs

You will learn:

- Workspaces, projects, and packages.
- Managing workspaces.
- Managing projects.
- Editing the source code.
- Overriding methods in a superclass.
- Implementing a Java interface.
- Compiling with JDeveloper.

Chapter 5: Developing Business Components

You will learn:

- Business components for Java.
- Business component projects, packages, and system options.
- Importing business components.
- Creating a new business component project.
- Default business components.

Chapter 6: Designing the User Interface

You will learn:

- JDeveloper's Visual Design tools.
- How to use JavaBeans.
- JDeveloper UI components.
- Property Inspector.
- Swing Application.
- Designing menus.

Chapter 7: Data Forms for Business Components

You will learn:

- Purpose of data forms.
- Requirements for developing data forms.
- Data-aware frames.
- Master-detail data forms.
- InfoProducer components.
- Modifying data form generation templates.

Chapter 8: Application Architecture

You will learn:

- JHeadstart resource and resource handler interfaces.
- Using BC4J as model.
- Getting connections.
- Using UIX as view.
- Using JSP as view.
- Saving data from a JSP.

Chapter 9: Custom Processes

You will learn:

- Writing custom processes.
- Creating constructors.
- Registering process parameters and results.
- Coding process logic.
- Retrieving data from the persistence layer.
- Writing data to the persistence layer.
- Setting a condition.
- Subclassing from PersistingDataSource.

Chapter 10: Deploy JDeveloper

You will learn:

- Preparing the Application Workspace and project.
- Creating the Application EAR file.
- Creating the EAR file.
- Deploying the Application EAR file.

Chapter 11: Security

You will learn:

- Application security.
- User authentication.
- Accessing the user object in custom code.
- Role based group access.
- Integration with Oracle Portal Single Sign-on.