

## Oracle 10g: Build J2EE Applications (D17247GC10)

Duration: 5 Days Course Code: O10GJ2EE

### Overview:

This course teaches developers how to create J2EE applications using Servlets, JavaServer Pages (JSP), Enterprise JavaBeans (EJB), and Web services. Students will learn how to design and develop J2EE applications, as well as make decisions about when to use the various J2EE components. Students will deploy the applications to Oracle Application Server 10g (OracleAS 10g) using Oracle JDeveloper 10g.

### Target Audience:

Java Developer J2EE Developer

### Objectives:

- Deploy J2EE applications to the Oracle Application Server 10g
- Manage Transactions in EJBs
- Implement J2EE Security in applications
- Identify appropriate J2EE components and architectures based on the needs of specific applications
- Describe the MVC architecture and create development plans for J2EE Applications
- Build a Web-enabled database application using J2EE components, including Servlets, JavaServer Pages and Enterprise
- Test J2EE components using Web and Java clients
- Provide versatile access to applications through Web services, and utilize a published Web service in an application

### Prerequisites:

- Basic JDBC knowledge
- Experience with the JDeveloper IDE
- Basic HTML knowledge

### Content:

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| <ul style="list-style-type: none"> <li>■ J2EE Overview</li> <li>■ Architecting J2EE Applications</li> <li>■ Creating the web tier: Servlets</li> <li>■ Access the database with Servlets</li> <li>■ Utilizing additional Servlet techniques</li> <li>■ Maintaining state within J2EE Applications</li> <li>■ Creating the web tier: JavaServer Pages</li> </ul> | <ul style="list-style-type: none"> <li>■ Modularizing JavaServer Pages Development with Tags</li> <li>■ Communication in J2EE</li> <li>■ Creating the business tier: Enterprise Java Beans</li> <li>■ Implementing business tasks with Session EJBs</li> <li>■ Managing persistent data in the business tier: Entity EJBs</li> <li>■ Achieving State Management in the Business Tier</li> <li>■ Specifying Relationships in CMP Entity beans</li> </ul> | <ul style="list-style-type: none"> <li>■ Specifying Relationships in CMP Entity beans</li> <li>■ Integrating J2EE Components</li> <li>■ Distributing Modular Applications: Introduction to Web Services</li> <li>■ Distributing Modular Applications: Developing Web Services</li> <li>■ Implementing Security in J2EE Applications</li> <li>■ OracleAS 10g: Transaction Support</li> </ul> |
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## Further Information:

For More information, or to book your course, please call us on +254 713 027 191

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