

## **WEBSHERE COMMERCE SERVER DEVELOPMENT 7.0**

- ❖ Install and configure the development tool
- ❖ Customize the store front
- ❖ Customize the underlying business logic
- ❖ Customize the administration tools
- ❖ Customize payment plug-ins
- ❖ Implement session management, access control and caching features
- ❖ Create and load data
- ❖ Integrate with external systems
- ❖ Test, troubleshoot and debug
- ❖ Package and deploy customized code
- ❖ Customize the optional components (e.g. IBM Sales Center, IBM Gift Center, Coremetrics).

### **DETAILS: WCS 7.0 DEVELOPMENT TRAINING:**

#### **❖ SECTION 1 - ARCHITECTURE AND PROGRAMMING FRAMEWORK:**

- Demonstrate knowledge of the product architecture and programming framework.
- Explain the differences and limitations between product editions.
- Distinguish between the WebSphere Commerce business models.
- Describe the major WebSphere Commerce sub-systems.
- Use the WebSphere Commerce data models.

#### **❖ SECTION 2 - INSTALLATION, CONFIGURATION AND MAINTENANCE:**

- Install the WebSphere Commerce Developer.
- Apply fixes, fix packs and feature packs.
- Examine the logs to verify the installation details.
- Configure the WebSphere Commerce Developer (e.g., store publishing, messaging, enabling optional modules, etc.).
- Install and configure optional components and additional software (e.g., IBM Gift Center, IBM Sales Center, Coremetrics, etc).

#### **❖ SECTION 3 - DEVELOPMENT AND CUSTOMIZATION:**

- Design and develop Web 2.0 store front pages.
- Develop and customize business logic using Name Value Pair (NVP) and Business Object Document (BOD) command frameworks.
- Extend the persistence layer using Data Service Layer (DSL) and Enterprise Java Beans (EJB).
- Implement BOD and Service Oriented Integration (SOI) service modules.
- Customize the administration tools (e.g., Accelerator, Management Center, etc.).
- Implement exception handling and tracing.
- Define and apply the access control policies and session management techniques.
- Use dynamic caching (DynaCache).
- Package custom assets for deployment.
- Customize the optional components (e.g. IBM Sales Center and IBM Gift Center).

#### **❖ SECTION 4 - TESTING AND DEBUGGING:**

- Use product supplied Unit Test mechanisms (e.g. Management Center Test Automation Framework, Storefront Test Automation Engine).
- Use product documentation and available online resources (e.g. Information Center, IBM Redbooks, developerWorks, etc).

- Debug and troubleshoot.

❖ **SECTION 5 - PAYMENTS AND INTEGRATION WITH EXTERNAL SYSTEMS:**

- Create and configure payment plug-ins.
- Interpret, implement and configure integration with external systems.
- Demonstrate integration with Social Commerce and Coremetrics.

❖ **SECTION 6 - STAGING AND DATA LOAD:**

- Describe the staging server environment and use staging utilities.
- Enable and use workspaces.
- Customize and configure the Data Load utility.
- Prepare SQL, XML, CSV and other data loading assets.
- Perform full and delta data load in development, test and staging environments.

