AD183 - Red Hat Application Development I: Programming in Java EE

- **Transition to multi-tiered applications**
  - Describe Java EE features and distinguish between Java EE and Java SE applications.

- **Package and deploying applications to an application server**
  - Describe the architecture of a Java EE application server, package an application, and deploy the application to an EAP server.

- **Create Enterprise Java Beans**
  - Develop Enterprise Java Beans, including message-driven beans.

- **Manage persistence**
  - Create persistence entities with validations.

- **Manage entity relationships**
  - Define and manage JPA entity relationships.

- **Create REST services**
  - Create REST APIs using the JAX-RS specification.

- **Implement Contexts and Dependency Injection**
  - Describe typical use cases for using CDI and successfully implement it in an application.

- **Create messaging applications with JMS**
  - Create messaging clients that send and receive messages using the JMS API.

- **Secure Java EE applications**
  - Use JAAS to secure a Java EE application.

- **Comprehensive review of Red Hat JBoss Development I: Java EE**
  - Demonstrate proficiency of the knowledge and skills obtained during the course.