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Nota di contenuto	Cover; Copyright; About the Authors; Contents; Chapter 1: Introduction to Java EE for IBM WebSphere Application Server, Version 7.0; What Is WebSphere?; A Brief History of Java EE; The WebSphere Java EE Toolset; Summary; Chapter 2: Introduction to IBM Rational Application Developer for WebSphere Software, Version 7.5; Introducing Perspectives, Views, and Editors; Commonly Used Perspectives; IBM Rational Application Developer for WebSphere Software Testing Scenarios; Setting Up the WebSphere Test Environment; Using the Test Environment to Test Web Components Using the Universal Test Client to Test EJBsSummary; Chapter 3: Servlets; Web Applications; Introducing Servlets; Using Servlets; Servlet Process Flow; Servlet Life Cycle; The Servlet Request and Response; Encoded Data; GET and POST Requests; Handling GET Requests; Handling POST Requests; Creating and Testing Servlets; Creating a Dynamic Web Project; Web Project Folder Structure; Creating Servlets; Running the Servlet; Producing a Response; Using the Debugger for Servlets; State Management Using HTTP; Cookies; Creating Cookies; HTTP Session Management; URL Encoding Enabling URL Encoding within Application DeveloperThe Model-View-Controller (MVC) Design Pattern; Using a Request Dispatcher; Saving

Data into the ServletContext; Best Practices for Saving Servlet Data; Data Transfer Objects (DTOs); Application Lifecycle Events; Event Types; Storing and Removing Data; Binding Listener Example; Attribute and Life-cycle Event Listeners; Creating Web Application Life-cycle Event Listeners; Filters; Summary; Chapter 4: JavaServer Pages; Introducing JavaServer Pages (JSP); JSP Syntax; Overview of JSTLs; Summary; Chapter 5: JavaServer Faces (JSF); Introducing JSF JSF ArchitectureJSF Request-Processing Lifecycle; JSF Application Architecture; JSF Syntax; Implicit JSF Objects; Using JSF and Rational Application Developer for Development; Summary; Chapter 6: Struts; Introducing Struts; Struts Architecture; Struts Application Architecture; Struts Tag Library Syntax; Using Struts and Rational Application Developer for Development; Comparison of Struts and JSF; Summary; Chapter 7: Java Persistence API; Entities; Persistence and the Java EE Container; Finding and Updating Entities Using Named Queries; JPA Persistence Strategies; Summary Chapter 8: Session Enterprise JavaBeansSession Beans and the EJB Architecture; The Lifecycle of Session Beans in the Java EE Architecture; Developing a Session Bean in Rational Application Developer; Summary; Chapter 9: Message-Driven Enterprise JavaBeans; A Java Message Service (JMS) Primer; Basic Messaging Administration; Developing the MDB; Summary; Chapter 10: EJB Client Programming; Available Client Models; Clients to Entity Objects; Accessing EJBs from Other Java EE Components; Running the IBM Thin Client for EJBs; Clients to Message-Driven EJBs; Summary; Chapter 11: Transactions Introduction

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## Sommario/riassunto

This advanced book provides a solid overview of the development of a range of core Java EE technologies, combined with a good description of the development facilities provided by IBM Rational Application Developer V7.5. Senior developers, engineers, and architects involved with Java and Java EE technologies, especially those who work with Rational Application Developer and those seeking certification at the Sun Certified Java Master Tier level or the IBM Rational Application Developer Certified Professional and Certified Advanced Professional levels, will appreciate this convenient,

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