

Rational Software Architect Fundamentals

RSA VERSION 8.5

ID: RSA-FUN-85

Overview

This two-day, hands-on class covers fundamental uses of the Rational Software Architect tool.

Audience

- Developers
- Designers
- Architects

Prerequisites

- Fundamental understanding and practice with Unified Modeling Language (UML) diagrams.

Objectives

At the end of this course, students will understand how Rational Software Architect is used to diagram different UML diagrams. They will be able to use RSA to create projects, add and modify UML diagrams, and use basic reporting features to display and share UML diagrams.

Outline

Introduction to RSA	Overview of the modeling tool and its basic functions
UML Projects	Creating a UML project, UML project features, modeling perspective
Use Case Diagrams	Editing basic use case diagrams
Use Case Diagrams Expanded	Adding extensions, inclusions, and generalizations to use case diagrams
Class Diagrams	Creating basic class diagrams
Class Diagrams Expanded	Updating the class diagram by adding generalization and dependency relationships
Activity Diagrams	Creating basic activity diagrams
Activity Diagrams Expanded	Add elements to activity diagrams
Sequence Diagrams	Creating basic sequence diagrams
Sequence Diagrams Expanded	Updating sequence diagrams
Refining Attributes	Updating the class diagram by refining the attributes
Refining Operations	Updating the class diagram by refining the operations
Refining Associations	Updating the class diagram by refining the relationships
Use Case Realization	Creating a use case realization
Package Diagrams	Create a package diagram
State Machine Diagrams	Creating a basic state machine diagram for a class with state-driven behavior
Composite Structure Diagrams	Creating basic composite structure diagrams
Component Diagrams	Creating a component diagram
Deployment Diagrams	Creating a deployment diagram
Design Patterns	Adding a design pattern to the appropriate class, sequence, and composite structure diagrams
Report Tools	Generating reports from models

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