



Requirements Modeling Made Easy

Course Description

This fast-paced, 1-day workshop demystifies requirements modeling using a levels-of-detail approach (business, user, and system level). Each model presented in the course provides the following components: definition, alternative names, example, why use it, how it helps, easy-to-follow steps to build it (literally a handful of steps—five or less), and a hands-on exercise to gain confidence in understanding and using it. The organization and presentation of this course is based on Ellen Gottesdiener's *The Software Requirements Memory Jogger™*. Students receive a how-to manual, exercise workbook with an appendix of examples and a case study, a resourceful quick reference that summarizes the models learned, and a “goodie bag” of basic modeling tools. The material is consistent with and advances the techniques and practices presented in the 3-day “The Quest for Excellent Requirements—Producer” workshop. The goal is for each student to carry away 12 new, yet familiar, tools in their toolkit for successful projects.

Requirements Models Presented

Business Level

- Process Map (also called Swim-Lane or Workflow Diagram, Cross-Functional Map)
- Event Table (also called Event-Response Table, Event List)
- Relationship Map (also called Business Interaction Model, Organizational Context Diagram)
- Context Diagram (also called Scope Diagram)

User Level

- User Table (also called Actor Table, User Role Model)
- Use Case Diagram
- Use Case Map (also called Use Case Flow Diagram, Use Case Navigation Diagram)
- Scenario Analysis (also called Use Case Scenarios, Business Scenarios)
- Data Model (also called Entity Relationship Diagram)

System Level

- Decision Table (also called Decision Tree or Diagram, Logic Table)
- Prototype (also called Mock-up)
- State-Transition Diagram (also called State Machine, State Diagram)

Objectives

- Understand requirements modeling **industry-standard** terms and concepts.
- Gain knowledge of the **steps to creating** a variety of requirements models.
- Understand **when and why** each presented model is used, and how it is helpful.
- Apply key concepts and modeling techniques through **hands-on exercises**.
- **Network** with other business analysis professionals.

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Duration

One Day (8 education hours). IIBA Endorsed Education Provider #010. Course #020.

Attendance Limit

Fifteen Students.

Course Fee

On-site Pricing: discount available, plus instructor travel expenses. Please call 608-850-6377 to discuss your specific training needs.

Public Pricing: \$750 (US) per student. We offer discount pricing when registering for two or more sessions, or when registering 4 or more for the same course. Please contact us by phone at 608-850-6377 or email inquire@requirementsquest.com for more information.

Materials Provided

Student Manual.

Student Exercise Workbook.

11 x 17" Requirements Modeling Quick Reference.

"Goodie Bag" of Basic Modeling Tools.

Hands-On Exercises

- Draw a picture of a current project.
- Draw a relationship map.
- Draft an event table.
- Draw a context diagram.
- Draft a user table.
- Create a use case diagram.
- Build a use case map.
- Identify scenarios.
- Create a data model.
- Draft a decision table.
- Draw a prototype.
- Build a state-transition diagram.

Intended Audiences

Business Analysts, System Analysts, Project Managers, Subject-Matter-Experts, Designers, Developers and other individuals who are looking to increase business communication effectiveness through requirements modeling.

Course Outline

1 hour Demystifying Requirements Modeling:

- What does the term "modeling" mean to different people?
- What is the definition of modeling?
- Why should you use requirements models?
- Categorizing models by view (behavioral, structural, dynamic, and control).
- Categorizing models by focus (what, who, why, when, where, and how).
- Categorizing models by level of detail (business, user, and system level).

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3 hours Scoping the Business Requirements*:

- Process Map.
- Event Table.
- Relationship Map.
- Context Diagram.

*The following components are included for each model presented:

- ✓ Definition of the model.
- ✓ Alternative names for the model.
- ✓ Example.
- ✓ Why use it?
- ✓ How does it help?
- ✓ Steps to build it.
- ✓ Hands-on exercise.

2.5 hours Shaping the User Requirements*:

- User Table.
- Use Case Diagram.
- Use Case Map.
- Scenario Analysis.
- Data Model.

1.5 hours Sculpting the System Requirements*:

- Decision Table.
- Prototypes.
- State-Transition Diagram.

Requirements Quest is an IIBA Endorsed Education Provider. Visit www.theiiba.org.

