

Roadmap to Success: Scope Modeling (Instructor-Led Classroom)

Course Description

This interactive two-day course builds your skills in *scope modeling*, a crucial first step in developing project requirements. You'll learn to quickly elicit, analyze, and specify eight requirements models that help you clearly define the boundaries of your project. These scope models take much of the guesswork out of project planning and are invaluable for later detailed analysis modeling. The models work for a range of tasks—launching new development projects, selecting commercial off-the-shelf software packages, and defining the scope of system enhancements.

The course leverages the EBG Requirements Roadmap* as a guide to select, build, verify, and validate scope-level requirements models. You'll learn how the models interconnect to provide a rich set of requirements representations.

In the first part of the course, you'll gain hands-on experience working in a small team to create each scope-level requirements model, *one model at a time*. Then, during the simulation, the class will be guided by the instructor to quickly build multiple requirements models *in tandem*. Next comes the practicum, when each team will tackle a new case study. This practical application (creating eight models in tandem) is a powerful way to reinforce the process of multi-modeling scope requirements.

In this carefully designed and executed learning environment you'll actively learn through lecture, examples, discussions, exercises, and review sessions.

This course is endorsed by the International Institute of Business Analysis (IIBA®) and aligns with the IIBA's *Business Analysis Body of Knowledge (BABOK®)* applicable tasks and techniques. You'll earn 14 PDs (Professional Development hours) for initial certification or 14 CDUs (Continuing Development Units) by attending this course.

*The EBG Requirements Roadmap is a set of interrelated models (behavioral, structural, dynamic, and control) at varying levels of detail.

Who Should Attend

This course is especially valuable for business analysts, subject matter experts, project managers, and other leaders responsible for defining the boundaries of a project. Others who can benefit are business rule analysts, application analysts, data or object analysts, data

architects, and data administrators—anyone involved in analyzing, specifying, verifying, and validating requirements at a scope level.

Course Prerequisites

Pre-reading: Chapter 1 in *Software Requirements Memory Jogger*.

Course Length

2 days

Course Objectives

- Provide the economic case for developing excellent requirements
- Understand the questions you need to ask and answer when you're defining user requirements
- Identify four model views, and list the models for each view
- Define scope-level user requirements
 - Identify stakeholders who have a vested interest in the product
 - Uncover events and responses to establish a basis for functional requirements
 - Draw a context diagram to visualize product boundaries
 - Model conceptual data requirements
 - Visualize the states of a business topic
 - Write scenarios to validate scope requirements
 - Identify business policies
 - Depict the flow of activities on a process map
- Explore common elicitation techniques
- Demonstrate how scope models interconnect and complement each other to provide a complete set of requirements
- Identify useful requirements models for acquiring a software package or enhancing software
- List ranking techniques to prioritize requirements with stakeholders
- Experience building multiple requirements models in tandem
- Organize requirements into a product roadmap
- Consider how to package and communicate scope requirements

Course Materials

The participant's manual includes detailed text and illustrations. The rich, reusable requirements toolset includes a case study and solution as well as specification templates, worksheets, checklists, and references. You'll also receive a mini-poster of the EBG Requirements Roadmap and a copy of *The Software Requirements*

Memory Jogger: A Pocket Guide to Help Software and Business Teams Develop and Manage Requirements, by Ellen Gottesdiener. You'll reference the Roadmap and Jogger to aid you in understanding and building the models.

Course Outline

1. Introduction to Requirements

- Requirements types
- Developing models by a question-and-answer process
- Modeling requirements

2. Requirements Scope

- The EBG Requirements Roadmap
- Product vision, project charter
- Features
- Stakeholders
- Context diagram
- Event-response table
- Conceptual data model
- Business policies
- Scenarios
- State diagrams
- Business modeling: what, why, and when
- Relationship map
- Process map
- Requirements elicitation
- Multi-models thread together
- Communicate scope requirements

3. Multi-modeling Simulation

4. Scope Summary

- Requirements verification
- Prioritize requirements
- Product releases, product roadmap
- Requirements specification
- Requirements for package selection process
- Requirements for enhancements
- Requirements validation
- Requirements management

5. Multi-modeling Practicum

6. Requirements Good Practices

- Common requirements risks
- Risk inoculation
- Requirements good practices summary