

Overview: Roadmap to Successful Requirements (Instructor-Led Classroom)

Course Description

This one-day overview course provides an introductory understanding of the art and science of requirements development and management. The course uses the EBG Requirements Roadmap* as a guide to select, build, verify, and validate requirements models. You'll learn how the models interconnect and provide a rich set of requirements representations.

Navigating with the Roadmap and using an integrated case study, you'll gain hands-on experience working in a small team to create seven requirements models. You'll understand the value of using these models for new development, enhancements to existing software or selection of COTS (commercial off-the-shelf) software.

In this carefully designed and executed learning environment you'll actively learn through lecture, examples, 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 7 PDs (Professional Development hours) for initial certification or 7 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 valuable for people who need to understand requirements or who need to manage and lead people who elicit and specify requirements. It is designed to benefit project managers and leaders, business managers, product developers, and product owners.

Course Length

1 day

Course Objectives

- Describe fundamental principles of modeling requirements
- Define scope-level user requirements
 - Identify stakeholders
 - Uncover events and responses to establish the basis for functional requirements
 - Draw a context diagram to visualize the product boundaries

- Model conceptual data requirements
- Visualize the states of a business topic
- Define high-level and detailed user requirements
 - Identify user roles
 - Write scenarios and stories
 - Model data attributes
 - Understand why business rules are the heart of functional requirements
- Navigate the EBG Requirements Roadmap
 - Demonstrate how scope and detailed models interconnect and complement each other to provide a complete set of requirements
 - Recognize useful requirements models for acquiring a software package or enhancing software
 - Appreciate how product releases are defined using behavioral models
- Summarize the roles of the people who must collaborate to deliver comprehensive requirements

Course Materials

The participant's manual includes detailed text and illustrations. The rich, reusable requirements toolset includes a case study, solution, and references. You'll also receive a copy 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, levels, and documentation
 - Requirements quality characteristics
- 2. Setting the Stage: Requirements Scope**
 - EBG Requirements Roadmap
 - Stakeholder categories
 - Scope models
- 3. Analyze and Specify Requirements**
 - Analysis models by Roadmap perspective
 - Functional specifications
- 4. Multi-modeling Simulation**
- 5. Requirements Good Practices**
 - Verification and validation techniques
 - Requirements management
 - Requirements for different project types
 - Product releases
 - Requirements good practices