



## Finding Ambiguities in Requirements

### Course Details

**Class Duration: 1 Day**

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### Course Outline

#### Introduction

- ▶ Student objectives
- ▶ Definition of good requirements
- ▶ Definition of testable requirements
- ▶ Deterministic results and requirements
- ▶ Why good requirements are critical

#### Confusing Constructs

- ▶ Limitations of the English language
- ▶ Historical examples of ambiguity
- ▶ Identification of Ambiguity Review Checklist components
- ▶ Performing an Ambiguity Review

#### Jargon and Unnecessary Complexity

- ▶ The language barrier
- ▶ Carelessness
- ▶ Assumed functional knowledge
- ▶ Unnecessary complexity

#### Defining Clear Objectives

- ▶ The importance of clear objectives
- ▶ Identifying good objectives
- ▶ The differences between objectives and solutions
- ▶ How an objective can be subverted

#### Introduction to Writing Testable Requirements

- ▶ Alternative Styles
- ▶ Overview of guidelines for writing clear specifications
- ▶ Summary of how ambiguities are addressed

#### Introduction to Requirements-Based Testing

- ▶ Requirements-based testing quality filters
- ▶ Advantages of rigorous testing
- ▶ Using test cases to validate requirements

The Finding Ambiguities in Requirements course is a one-day process-oriented class that provides a powerful, yet practical method for ensuring that specifications are clear, concise and unambiguous. This course also teaches students to ensure that requirements are written to a

level of detail required to produce a sufficient set of test cases to validate the system's functionality. The level of detail required for testing does not add anything unique to the standard for developing requirements specifications. This same level of detail is needed by all project team members who need to validate that all requirements are being addressed. Students will learn how to identify ambiguities in specifications, the ambiguity review process and how to apply the course concepts when reviewing specifications in any format.

### **Objectives**

- Define the characteristics of a good requirement
- Perform ambiguity reviews
- Identify and describe the importance of good and clear objectives

### **Prerequisites**

None

### **Intended Audience**

Business analysts, designers, coders, testers, technical writers, and end users.

### **Materials Provided**

Student manual containing the course materials and exercises

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**Class Limit:** No limit to the number of students

**Labs:** Over 60% of class