



In Search of Excellent Requirements

Description – 2 Days

Requirements form the foundation for all software work that follows. Arriving at a shared vision of the product to be developed is one of the greatest challenges facing the software project team, and customer involvement is among the most critical factors in software quality. This two day course presents dozens of tested methods that can help any organization improve the way it elicits, analyzes, documents, validates and manages its software requirements. The course provides attendees with a tool kit of “good practices” reinforced with practice sessions that they can begin applying to improve the requirements process in their organization. These techniques can reduce project risk by improving the quality and control of the software requirements thereby increasing the likelihood of a successfully completed project. The course emphasizes many practical techniques, including:

- Creating an effective customer-developer partnership
- Customer involvement through a “product champion”
- The application of use cases for defining user needs and system functions
- Writing software requirements specification using a standard template
- Recording and classifying business rules that affect a software system
- A simple model for prioritizing requirements
- Using prototypes to clarify and refine user needs
- Using peer reviews to find requirements errors
- Precisely defining quality attributes and other non-functional requirements
- Managing changes to requirements
- Tracking requirements status throughout the project
- Using a requirements traceability matrix to connect requirements to design elements, code, and tests

Objectives

Upon completion of this course, the student will be able to:

- Recognize and classify different types of requirements information
- Name many “good practices” for requirements elicitation, analysis, specification, validation, and management
- Apply the use case technique for eliciting user requirements
- Select appropriate techniques for representing requirements
- Critically evaluate requirements statements for ambiguity and other problems
- Write clear, unambiguous, and actionable requirements

Pricing

\$1250 per person – public venue

Call for corporate pricing