Mastering Requirements Management with Use Cases

Course Overview:

Mastering Requirements Management with Use Cases provides three days of training in requirements management and use-case modeling techniques. The course focuses on eliciting and managing the changing requirements of a project; analyzing the problem, defining the product vision and feature requirements, defining software requirements with use cases, and requirement attributes, and maintaining traceability, change management, and impact analysis for project scope management. The course shows how use-case modeling and requirements management techniques are used to define and document requirements that meet stakeholder needs. In-class exercises will give students practical experience in developing use cases.

Audience:

The course serves two audiences. The primary audience is people who will be actively engaged in the elicitation and definition of software requirements. This includes systems, requirements, and business analysts. The secondary audience would be interested in taking this class because they are consumers of the software requirements and need to understand how to read, verify, interpret and plan with the software requirements of the system. This group includes project managers, software analysts and designers, QA designers and testers, and customers and users.

- Systems analysts
- Requirements analysts
- Business analysts

Secondary:

- Project managers
- Software analysts and designers
- QA designers and testers
- Customers and users

Prerequisites:

There are no prerequisites for this course.
Recommended Experience
Students should have an understanding of:
- Project management practices
- The software development lifecycle

Skills Taught:

Upon completion of the course, participants should be able to:

- Apply requirements management techniques to define a clear statement of product requirements.
- Capture and document requirements with use-case modeling techniques.
- Develop requirements in an iterative process.
- Describe a documentation hierarchy and standards for defining levels of requirements for a product.
- Use requirement attributes and traceability to help manage scope and change throughout product lifecycle.
- Use requirements to drive ongoing design, test, and user documentation activities.

Course Outline:

- Best Practices of Software Engineering
- Introduction to Mastering Requirements Management with Use Cases
- Introduction to Use-Case Modeling
    1. Analyze the Problem
        a. Find the root causes of the problem
        b. Identify the best solution to solve the business problem
    2. Understand Stakeholder Needs
        a. Define the System
            i. Define product features
            ii. Find Actors and Use Cases
    3. Manage System Scope
            i. Use requirements attributes to plan and manage scope
        a. Refine the System Definition
            i. Detail the Use Cases
            ii. Define Supplementary Specifications
        b. Manage Changing Requirements
        c. Structure the Use-Case Model
            i. include, extend, use-case, and actor generalization
    4. Requirements Across the Product Lifecycle

Note: This course teaches requirements management within the context of the Rational Unified Process (R). This course is not a RUP (R) course. This course does not teach the use of Rational (R) Requisite Pro(R).

Contact Us:

Address: 47 Road 250, Degla - Victoria Square – Maadi - Cairo ,Egypt.
Tel./Fax.: (+202) 25194591 - 25194507 - 25194663
e-mail: training@compexit.com
Website: http://www.compexit.com