

Managing Requirements for Agile Projects

Course Summary

Description

Many of today's Project Management and Business Analyst Professionals are finding themselves leading, managing and analyzing on Agile development teams, only to find that many of the tools and techniques applied when using a traditional project management approach no longer work as effectively or at all. In order to do more than survive in this iterative development environment, today's Project Manager and Business Analyst must employ additional project management and business analysis tools and techniques to effectively lead their teams and deliver their projects.

Requirements can change frequently during a project, and therefore projects need a streamlined, flexible approach to requirements change management. People who develop agile requirements want to create systems and services which are both high-quality and high-value, and the easiest way to achieve this is to implement the highest priority requirements first. This enables the projects to maximize value for their stakeholders.

The course will explore how your projects can easily and successfully manage requirements in an effective Agile environment.

Objectives

At the end of this course, students will be able to:

- Plan, manage and close requirements for a project in reduced time using Agile Scrum practices
- Minimize project uncertainty and risk by applying Agile principles through the Scrum method
- Ensure your project delivers required functionality and adds value to the business
- Create an environment of self-management for your team that will be able to continuously align the delivered product or services with desired business needs, easily **adapting** to changing requirements throughout the process.

Topics

- Introduction
- Understanding Requirements and Business Rules
- Agile Requirements Modeling
- The Agile Change Management Process
- Assessing and Validating Requirements
- Additional Information

Audience

Executives, Project Managers, Business Analysts, Business and IT stakeholders working with analysts, Quality and process engineers, technicians, managers; supervisors, team leaders, and process operators; anyone who wants to improve their Business Analysis skills.

Duration

Two days

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Course Outline

I. Introduction

- A. Why Agile?
- B. How to recognize that your organization is heavily regulated, regimented, micro-managed using the waterfall model of development
- C. What Agile SCRUM can do to address this problem?
- D. The Agile Manifesto
- E. The Agile Lifecycle
- F. About Agility
- G. Roles and Responsibilities

II. Understanding Requirements and Business Rules

- A. Business, User, Functional, Quality-of-service and implementation requirements
- B. Requirements vs. specifications
- C. Requirements vs. business rules
- D. Risk management and risk response strategies
- E. Analyzing requirements
- F. Characteristics of effective requirements

III. Agile Requirements Modeling

- A. Identify high level scope
- B. Identify initial requirements stack
- C. Identify an architectural vision
- D. Plan your iteration
- E. Iteration modeling
- F. Model storming
- G. Test driven development

IV. The Agile Change Management Process

- A. Managing the Solution Scope and Requirements
- B. Capturing the Requirements Traceability
- C. Maintaining the Requirements for re-use
- D. Managing Requirements Conflicts
- E. Preparing the Requirements Package
- F. Building the Requirements communications plan

V. Assessing and Validating Requirements

- A. Validation and verification using an Agile approach
- B. Creating a master test plan using Agile
- C. Create test scenarios and test cases from your User Stories

VI. Additional Information

- A. Useful books and links on Managing Requirements using Agile