

Effective Agile Requirements: Analyzing Beyond User Stories

Course Description

Agile methodologies take a unique approach to gathering and managing requirements—an approach that requires iteration, collaboration, visibility, continuous refinement and clearly defined roles. If you are looking for proven tools and techniques for collecting, analyzing, and prioritizing requirements on agile initiatives, this 2-day course will help you learn real-world agile requirements strategies you can begin using immediately.

Throughout this course, students will practice a number of requirements techniques using a case study; collecting, refining, and prioritizing in a team-simulated environment, and reviewing how those techniques compare to plan driven methods. Common requirements management challenges will be reviewed, along with the concepts of stakeholder communication, business value, product vision, use case diagrams, product roadmap, acceptance criteria, and “definition of done.” A review of the various agile roles and their involvement in the requirements process will also be presented in detail, from both an individual and a team perspective.

Course Objectives

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

- Understand the importance of analysis and its role in the agile requirements process
- Avoid common requirements pitfalls on agile initiatives
- Elicit usable requirements using various elicitation techniques
- Utilize an iterative approach to analyze and prioritize requirements throughout a project
- Facilitate the delivery of the overall product vision

Course Outline

The Agile Approach: A Review

- Agile Manifesto, principles and methodologies
- Unifying themes
- Agile delivery team
- Agile competencies checkpoint

Underlying Competencies

- Common requirements challenges
- Business analysis knowledge and skills
- Business analyst characteristics
- Seven steps to business analysis success
- Know your stakeholders
- User role modeling
- Stakeholder communications

Strategy Alignment and Analysis

- Aligning the project to enterprise strategy
- Levels of agile requirements
- Identifying business value
- Case study introduction
- Identifying key business processes
- “As-is” process models

Developing a Product Vision

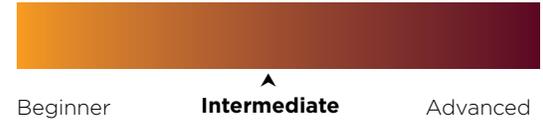
- Identifying stakeholder roles
- Product vision overview
- Product vision’s primary content
- Visioning approaches
- Eliciting requirements for the roadmap ahead
- Identifying risks
- Identifying non-functional requirements

Connecting the Vision with the Roadmap

- Product development prioritization
- Requirements management’s domain
- Process analysis tools and techniques
- Design standards
- High-level architectural models
- Process models
- Use case diagrams
- Preliminary user interface (UI) requirements

Duration & Units:
2 Days, 14 PDUs

Level of Knowledge



Audience:

This is a fast-paced course intended for agile team members who are involved with product requirements (e.g., business analysts, business systems analysts, product owners, developers, project and product managers). It is assumed students have a firm grasp of agile processes, terms, and concepts. Students who do not have a basic understanding of agile methods should consider enrolling in RMC’s Agile Fundamentals Course (Instructor Led or e-Learning) prior to attending for this course.

Course Benefits:

- Understanding the role of analysis in the agile requirements process
- Gain an understanding of agile requirements
- Learn how to identify business value
- Develop product visioning

Course at-a-Glance:

- 2 Days, 14 PDUs
- Available Onsite

Other Recommended Courses:

- Agile Fundamentals
- Eliciting and Modeling Requirements
- Facilitation Skills Workshop

Connect with RMC:





Course Outline (continued)

The Big Picture: Product Roadmap Requirements

- Product roadmap defined
- Timing of roadmap requirements
- The program and team backlogs
- Prioritizing epics and features
- A basic program backlog
- A basic product roadmap

Release and Iteration Requirements

- Analyzing the program backlog
- Decomposing epics, features and stories
- Acceptance criteria
- Prioritizing and estimating for the release
- The team backlog
- Slicing stories
- Story mapping review
- Revisiting the product roadmap
- A detailed product roadmap

Analyzing Requirements

- Users
- Business rules
- Processes
- Functions
- CRUD (Create, Read, Update, Delete)

Managing Requirements Through Product Development

- Reviewing acceptance criteria
- Prototypes, simulations, demonstrations
- Detailing iteration requirements
- Grooming the backlog
- Staying ahead of the development team
- Definition of done

Summary and Wrap-up

- Applying it in the real world
- Where do you go from here?
- Your Action Plan

Course Materials

Students will receive the following materials with the course attendance:

- Agile Requirements Workbook
- Supplemental Materials



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10953 Bren Road East
Minnetonka, MN 55343
www.rmcls.com
Phone: 952.846.4484