

Fundamentals of Scope and Requirements

Course Overview

Scope is perceived from both a business and a project perspective. Requirements are perceived, but more from a project and functional perspective. The goals of this course are to address both the project and the functional perspectives of scope and requirements management, and convey the importance of each in understanding the needs of a business and in developing competencies to manage them.

Chapter 1 - Scope and Requirements Fundamentals

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Instructor Introduction

Scope and Requirements Management Introduction (1 of 4)

Scope and Requirements Management Introduction (2 of 4)

Scope and Requirements Management Introduction (3 of 4)

Scope and Requirements Management Introduction (4 of 4)

Scope and Requirements Fundamentals

Objectives

Topic A: Scope Fundamentals

Definition: Product Scope

Concept: Product Scope (1 of 2)

Concept: Product Scope (2 of 2)

Definition: Project Scope

Self-Reflection: Project Scope

Self-Reflection: Project Scope Debrief (1 of 2)

Self-Reflection: Project Scope Debrief (2 of 2)

Topic B: Requirements Fundamentals

Definition: Requirement

Definition: Requirements Documentation

Self-Reflection: Project Requirement and Specifications (1 of 2)

Self-Reflection: Project Requirement and Specifications (2 of 2)

Self-Reflection: Project Requirement and Specifications Debrief

Concept: Business Requirements

Concept: Functional Requirements

Concept: Market Requirements

Concept: Technical Requirements

Concept: Quality Requirements

Concept: Design Specifications

Concept: Material Specifications

Concept: Standards Specifications

Concept: Test Specifications

Topic C: Traceability: A Scope and Requirements Best Practice

Definition: Traceability

Definition: Requirements Traceability Matrix

Concept: Traceability Matrix

Exercise 1.1 Requirements Traceability Framework
Exercise 1.1 Requirements Traceability Framework Worksheet
Exercise 1.1 Requirements Traceability Framework Debrief (1 of 4)
Exercise 1.1 Requirements Traceability Framework Debrief (2 of 4)
Exercise 1.1 Requirements Traceability Framework Debrief (3 of 4)
Exercise 1.1 Requirements Traceability Framework Debrief (4 of 4)
Requirements Traceability Matrix Delegation
Chapter 1 Review

Chapter 2 – Planning Scope and Requirements Management

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Planning Scope and Requirements Management
Objectives
Topic A: Planning Scope Management
Scope and Requirements Management Case Study (1 of 3)
Scope and Requirements Management Case Study (2 of 3)
Scope and Requirements Management Case Study (3 of 3)
Concept: Scope Management Planning (1 of 2)
Concept: Scope Management Planning (2 of 2)
Self-Reflection: Outcome Description
Self-Reflection: Outcome Description Debrief
Self-Reflection: Quality Requirements Revisited
Self-Reflection: Quality Requirements Revisited Debrief (1 of 5)
Self-Reflection: Quality Requirements Revisited Debrief (2 of 5)
Self-Reflection: Quality Requirements Revisited Debrief (3 of 5)
Self-Reflection: Quality Requirements Revisited Debrief (4 of 5)
Self-Reflection: Quality Requirements Revisited Debrief (5 of 5)
Concept: Development Approach (1 of 4)
Concept: Development Approach (2 of 4)
Concept: Development Approach (3 of 4)
Concept: Development Approach (4 of 4)
Self-Reflection: Development Approach
Self-Reflection: Development Approach Debrief
Scope Management Plan Outline (1 of 2)
Scope Management Plan Outline (2 of 2)
Topic B: Planning Requirements Management
Concept: Requirements Management Planning (1 of 9)
Concept: Requirements Management Planning (2 of 9)
Concept: Requirements Management Planning (3 of 9)
Concept: Requirements Management Planning (4 of 9)
Concept: Requirements Management Planning (5 of 9)
Concept: Requirements Management Planning (6 of 9)
Concept: Requirements Management Planning (7 of 9)
Concept: Requirements Management Planning (8 of 9)
Concept: Requirements Management Planning (9 of 9)
Exercise 2.1 Requirements Management Plan Outline
Exercise 2.1 Requirements Management Plan Outline Worksheet
Exercise 2.1 Requirements Management Plan Outline Debrief (1 of 2)
Exercise 2.1 Requirements Management Plan Outline Debrief (2 of 2)
Scope and Requirements Management Planning
Chapter 2 Review

Chapter 3 – Eliciting and Analyzing Business Requirements

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Eliciting and Analyzing Business Requirements

Objectives (1 of 2)

Objectives (2 of 2)

Topic A: Requirements Elicitation

Concept: Requirements Elicitation (1 of 2)

Concept: Requirements Elicitation (2 of 2)

Self-Reflection: Elicitation Techniques

Concept: Elicitation Techniques (1 of 7)

Concept: Elicitation Techniques (2 of 7)

Concept: Elicitation Techniques (3 of 7)

Concept: Elicitation Techniques (4 of 7)

Concept: Elicitation Techniques (5 of 7)

Concept: Elicitation Techniques (6 of 7)

Concept: Elicitation Techniques (7 of 7)

Self-Reflection: Elicitation Techniques Debrief

Topic B: Requirements Analysis

Concept: Requirements Analysis (1 of 2)

Concept: Requirements Analysis (2 of 2)

Self-Reflection: Requirements Analysis Modeling

Concept: Requirements Analysis Modeling

Concept: Requirements Analysis Models (1 of 5)

Concept: Requirements Analysis Models (2 of 5)

Concept: Requirements Analysis Models (3 of 5)

Concept: Requirements Analysis Models (4 of 5)

Concept: Requirements Analysis Models (5 of 5)

Self-Reflection: Analysis Modeling Techniques Debrief (1 of 2)

Self-Reflection: Analysis Modeling Techniques Debrief (2 of 2)

Topic C: Requirements Prioritization

Concept: Requirements Prioritization (1 of 2)

Concept: Requirements Prioritization (2 of 2)

Self-Reflection: Requirements Prioritization Schemes

Concept: Requirements Prioritization Schemes (1 of 5)

Concept: Requirements Prioritization Schemes (2 of 5)

Concept: Requirements Prioritization Schemes (3 of 5)

Concept: Requirements Prioritization Schemes (4 of 5)

Concept: Requirements Prioritization Schemes (5 of 5)

Self-Reflection: Requirements Prioritization Schemes Debrief (1 of 2)

Self-Reflection: Requirements Prioritization Schemes Debrief (2 of 2)

Topic D: Requirements Specification

Concept: Requirements Specification (1 of 2)

Concept: Requirements Specification (2 of 2)

Exercise 3.1 Well-Formatted Requirements Specification

Exercise 3.1 Well-Formatted Requirements Specification Worksheet

Exercise 3.1 Well-Formatted Requirements Specification Debrief (1 of 4)

Exercise 3.1 Well-Formatted Requirements Specification Debrief (2 of 4)

Exercise 3.1 Well-Formatted Requirements Specification Debrief (3 of 4)

Exercise 3.1 Well-Formatted Requirements Specification Debrief (4 of 4)

Chapter 3 Review (1 of 2)

Chapter 3 Review (2 of 2)

Chapter 4 – Defining and Establishing Scope

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Defining and Establishing Scope

Objectives

Topic A: Scope Definition

Concept: Scope Definition (1 of 9)

Concept: Scope Definition (2 of 9)

Concept: Scope Definition (3 of 9)

Concept: Scope Definition (4 of 9)

Concept: Scope Definition (5 of 9)

Concept: Scope Definition (6 of 9)

Concept: Scope Definition (7 of 9)

Concept: Scope Definition (8 of 9)

Concept: Scope Definition (9 of 9)

Exercise 4.1 Developing a Scope Definition

Exercise 4.1 Developing a Scope Definition Worksheet (1 of 2)

Exercise 4.1 Developing a Scope Definition Worksheet (2 of 2)

Exercise 4.1 Developing a Scope Definition Debrief (1 of 4)

Exercise 4.1 Developing a Scope Definition Debrief (2 of 4)

Exercise 4.1 Developing a Scope Definition Debrief (3 of 4)

Exercise 4.1 Developing a Scope Definition Debrief (4 of 4)

Topic B: Work Breakdown Structure Overview

Definition: Work Breakdown Structure

Concept: WBS (1 of 3)

Concept: WBS (2 of 3)

Concept: WBS (3 of 3)

Concept: Decomposition (1 of 4)

Concept: Decomposition (2 of 4)

Concept: Decomposition (3 of 4)

Concept: Decomposition (4 of 4)

Concept: Work Package

Self-Reflection: Why is the WBS Essential?

Self-Reflection: Why is the WBS Essential? Debrief

Topic C: Work Breakdown Structure Development

Concept: WBS Development Considerations

Concept: WBS Development

Concept: WBS Organizational Standard

Exercise 4.2 Develop a PM and BA Performance Baselines Project WBS

Exercise 4.2 Develop a PM and BA Performance Baselines Project WBS Worksheet

Exercise 4.2 Develop a PM and BA Performance Baselines Project WBS Debrief (1 of 2)

Exercise 4.2 Develop a PM and BA Performance Baselines Project WBS Debrief (2 of 2)

Topic D: Work Breakdown Structure Dictionary Development

Definition: WBS Dictionary

Concept: WBS Dictionary (1 of 4)

Concept: WBS Dictionary (2 of 4)

Concept: WBS Dictionary (3 of 4)

Concept: WBS Dictionary (4 of 4)

Exercise 4.3 WBS Dictionary for the PM and BA Performance Baselines Project

Exercise 4.3 WBS Dictionary for the PM and BA Performance Baselines Project Worksheet

Exercise 4.3 WBS Dictionary for the PM and BA Performance Baselines Project Debrief (1 of 3)

Exercise 4.3 WBS Dictionary for the PM and BA Performance Baselines Project Debrief (2 of 3)

Exercise 4.3 WBS Dictionary for the PM and BA Performance Baselines Project Debrief (3 of 3)
Chapter 4 Review (1 of 2)
Chapter 4 Review (2 of 2)

Chapter 5 – Monitoring and Controlling Scope and Requirements

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Monitoring and Controlling Scope and Requirements

Objectives

Topic A: Relating Requirements to Scope Baselines

Concept: Baselines

Concept: Requirements Baseline

Concept: Project Scope Baseline

Concept: Product Scope Baseline

Self-Reflection: Relating Requirements and Scope Baselines

Concept: Relating Requirements and Scope Baselines

Self-Reflection: Relating Requirements and Scope Baselines Debrief

Topic B: Monitoring Scope and Requirement Baselines

Concept: Monitoring via Configuration Management (1 of 2)

Concept: Monitoring via Configuration Management (2 of 2)

Self-Reflection: Monitoring via Configuration Management

Concept: Monitoring Scope and Requirements Baselines (1 of 6)

Concept: Monitoring Scope and Requirements Baselines (2 of 6)

Concept: Monitoring Scope and Requirements Baselines (3 of 6)

Concept: Monitoring Scope and Requirements Baselines (4 of 6)

Concept: Monitoring Scope and Requirements Baselines (5 of 6)

Concept: Monitoring Scope and Requirements Baselines (6 of 6)

Self-Reflection: Monitoring via Configuration Management Debrief

Topic C: Controlling Scope and Requirements Baselines

Concept: Controlling via Configuration Management (1 of 8)

Concept: Controlling via Configuration Management (2 of 8)

Concept: Controlling via Configuration Management (3 of 8)

Concept: Controlling via Configuration Management (4 of 8)

Concept: Controlling via Configuration Management (5 of 8)

Concept: Controlling via Configuration Management (6 of 8)

Concept: Controlling via Configuration Management (7 of 8)

Concept: Controlling via Configuration Management (8 of 8)

Concept: Controlling Scope and Requirements Baselines (1 of 7)

Concept: Controlling Scope and Requirements Baselines (2 of 7)

Concept: Controlling Scope and Requirements Baselines (3 of 7)

Concept: Controlling Scope and Requirements Baselines (4 of 7)

Concept: Controlling Scope and Requirements Baselines (5 of 7)

Concept: Controlling Scope and Requirements Baselines (6 of 7)

Concept: Controlling Scope and Requirements Baselines (7 of 7)

Exercise 5.1 Controlling Scope and Requirements Baselines (1 of 2)

Exercise 5.1 Controlling Scope and Requirements Baselines (2 of 2)

Exercise 5.1 Controlling Scope and Requirements Baselines Worksheet

Exercise 5.1 Controlling Scope and Requirements Baselines Debrief (1 of 3)

Exercise 5.1 Controlling Scope and Requirements Baselines Debrief (2 of 3)

Exercise 5.1 Controlling Scope and Requirements Baselines Debrief (3 of 3)

Chapter 5 Review (1 of 2)

Chapter 5 Review (2 of 2)

Chapter 6 – Verifying and Validating Scope and Requirements

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Verifying and Validating Scope and Requirements

Objectives

Topic A: Differentiating Verification from Validation

Definition: Verification

Concept: Verification (1 of 3)

Concept: Verification (2 of 3)

Concept: Verification (3 of 3)

Self-Reflection: Verification on Other Imposed Conditions

Self-Reflection: Verification on Other Imposed Conditions Debrief (1 of 2)

Self-Reflection: Verification on Other Imposed Conditions Debrief (2 of 2)

Definition: Validation

Concept: Validation

Concept: Validation

Topic B: Verifying Scope and Requirements

Concept: Verification Types

Concept: Adaptive Verification (1 of 6)

Concept: Adaptive Verification (2 of 6)

Concept: Adaptive Verification (3 of 6)

Concept: Adaptive Verification (4 of 6)

Concept: Adaptive Verification (5 of 6)

Concept: Adaptive Verification (6 of 6)

Concept: Definition of Done (1 of 2)

Concept: Definition of Done (2 of 2)

Exercise 6.1 INVEST for Scope and Requirements Verification

Exercise 6.1 INVEST for Scope and Requirements Verification Worksheet

Exercise 6.1 INVEST for Scope and Requirements Verification Debrief (1 of 2)

Exercise 6.1 INVEST for Scope and Requirements Verification Debrief (2 of 2)

Concept: Predictive Verification (1 of 3)

Concept: Predictive Verification (2 of 3)

Concept: Predictive Verification (3 of 3)

Self-Reflection: Scope and Requirements Inspection Checklist

Self-Reflection: Scope and Requirements Inspection Checklist Debrief (1 of 2)

Self-Reflection: Scope and Requirements Inspection Checklist Debrief (2 of 2)

Concept: Verified Scope and Requirements

Topic C: Validating Scope and Requirements

Concept: Validate Scope and Requirements

Self-Reflection: Scope and Requirements Validation Techniques

Self-Reflection: Scope and Requirements Validation Techniques Debrief

Concept: Scope and Requirements Validation Techniques (1 of 4)

Concept: Scope and Requirements Validation Techniques (2 of 4)

Concept: Scope and Requirements Validation Techniques (3 of 4)

Concept: Scope and Requirements Validation Techniques (4 of 4)

Concept: Validated Scope and Requirements

Exercise 6.2 Scope and Requirements Validation Techniques

Exercise 6.2 Scope and Requirements Validation Techniques Worksheet

Exercise 6.2 Scope and Requirements Validation Techniques Debrief (1 of 3)

Exercise 6.2 Scope and Requirements Validation Techniques Debrief (2 of 3)

Exercise 6.2 Scope and Requirements Validation Techniques Debrief (3 of 3)

Chapter 6 Review (1 of 2)

Chapter 6 Review (2 of 2)
Scope and Requirements Management Summary
Course Overview
Definitions: Product Scope and Project Scope
Definition: Requirements Documentation
Definition: Traceability
Concept: Scope Management Planning
Concept: Requirements Management Planning
Scope and Requirements Management Planning
Concept: Requirements Analysis
Concept: Scope Baseline
Concept: Relating Requirements and Scope Baselines
Concept: Monitoring Scope and Requirements Baselines
Concept: Controlling via Configuration Management
Concept: Controlling Scope and Requirements Baselines
Definition: Verification
Concept: Verification Types
Concept: Verified Scope and Requirements
Definition: Validation
Concept: Validated Scope and Requirements
Scope and Requirements Management Summary

Total Duration: 5h 2m