

Modeling Project Requirements



➤ Fissure: n. (Geological): A breakthrough

Modeling Project Requirements

2 days -14 PDUs

This seminar is for business analysts and other project participants who need to have a good understanding of documenting, modeling and communicating requirements in a project environment. It covers the International Institute of Business Analysis (IIBA®) knowledge areas of Requirements Analysis & Documentation, Requirements Management, Requirements Communication and Solution Assessment and Validation. This workshop focuses on defining and modeling the business requirements using process and data modeling techniques. The modeling techniques used will be applicable both for object oriented and traditional development approaches. Special focus will be on business models, process models, use cases, and data models.

Topics You Will Learn & Practice:

INTRODUCTION

- Review course objectives and agenda
- Review course approach

BA FUNDAMENTALS & OVERVIEW

- Introduction to IIBA
- Review Key Knowledge Areas
- Business analysis defined
- BA roles and responsibilities
- Requirements definition
- Types & categories of requirements
- Fissure BA framework

DEVELOPMENT METHODOLOGIES

- SDLC & PLC overview
- Development methodologies overview
- Business process analysis
- Object oriented analysis
- Structure analysis
- Impact on the BA effort

DOCUMENT REQUIREMENTS

- What to document
- Documentation guidelines
- Types of requirements documentation
- Different writing for different audiences

ANALYZE REQUIREMENTS

- Capture business rules & non functional requirements
- Organize requirements
- Prioritize requirements
- Identify assumptions and constraints
- Decision trees/tables
- Matrix

HIGH LEVEL BUSINESS MODELS

- Context diagrams
- Swim lanes
- Exercise

PROCESS MODELING

- Process modeling overview
- Types of process models
- Functional decomposition diagrams
- Decomposition techniques
- Flowcharts/process maps
- Standards & notation for process modeling
- Create a process model

USE CASE MODELING

- Use Case history & overview
- UML standards for Use Case modeling
- Use Case diagram
- Use Case documentation
- Create a Use Case model

DATA MODELING

- Data modeling overview
- Types of data models
- Entity relationship diagrams
- Create an ERD model

DATA AND PROCESS INTERACTION MODELS

- Interaction models overview
- Types of data & process interaction models

ASSESS, VALIDATE & COMMUNICATE REQUIREMENTS

- Verify and validate requirements
- Allocate requirements
- Define transition requirements
- User acceptance testing
- Communicating requirements

MANAGE REQUIREMENTS

- Traceability
- Baselining
- Change control

WHO SHOULD ATTEND

Business analysts, project managers and project participants who will be involved with capturing, reviewing or interpreting customer requirements.

PRE-REQUISITES

A general requirements gathering course such as the BA Foundation Simulation Workshop, Eliciting Project Requirements Workshop or equivalent experience

OBJECTIVES

- Understand the role of a business analyst in the requirements process
- Review the IIBA Framework
- Define “requirement” and identify the various types of requirements
- Understand the various development methodologies and SDLC/PLC life-cycles and how they will impact the BA effort
- Identify the different modeling techniques including strengths and weaknesses of each technique
- Develop high level business models
- Create a process model, data model, and use case as a way to elicit and document requirements
- Learn how to analyze, document and communicate requirements
- Determine how to manage requirements throughout the project

INSTRUCTIONAL METHODS

Includes a mix of lecture, group discussions, individual practices and case studies.