

# Business Analysis: Requirements Analysis

CDT823

Requirements Analysis is the formal analysis, documentation, and communication of the business and system requirements which were gathered during the Requirements Elicitation process. No amount of technical finesse can compensate for requirements which are not clear, correct, and complete. The International Institute of Business Analysis (IIBA) Business Analysis Body of Knowledge (BABOK) lists over forty techniques for requirements planning, elicitation, analysis, validation, and communication. Upon completion of this course the student will be able describe and use many of the techniques associated with Requirements Analysis as described in the BABOK.

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## Audience

- New business analysts
- Experienced business analysts needing formal training in business analysis
- Project managers needing a better understanding of the role of the business analyst

## Prerequisites

- None

## Course Length

- Three Days

## Learning Objectives

- To understand the objectives, inputs, techniques, and outputs associated with the requirements analysis process.

## Teaching Methods

- Lecture
- Individual exercises
- Group exercises

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## Course Outline

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*Note: Numbers in brackets, such as [6.1], refer to sections within version 2.0 of the BABOK.*

### Prioritize Requirements [6.1]

- Purpose
- Inputs
- Focus on techniques
  - Decision analysis [9.8]
  - Risk analysis [9.24]
  - MoSCoW analysis [6.1.5.2]
  - Timeboxing / Budgeting [6.1.5.3]
- Outputs

### Organize Requirements [6.2]

- Purpose
- Inputs
- Focus on techniques
  - Organization modeling [9.19]
  - Functional decomposition [9.12]
  - User stories [9.33]
  - Scope modeling [9.27]
  - Data flow diagrams [9.6]
  - Process modeling [9.21]
  - Data models [9.7]
- Outputs

### Specify Model and Requirements [6.3]

- Purpose
- Inputs
- Focus on techniques
  - Scenarios and Use Cases [9.26]
  - Sequence diagrams [9.28]
  - State diagrams [9.29]
- Outputs

### Define Assumptions and Constraints [6.4]

- Purpose
- Inputs
- Focus on techniques
  - Risk analysis [9.24]
  - Problem tracking [9.20]
- Outputs

### Verify Requirements [6.5]

- Purpose
- Inputs
- Focus on techniques
  - Checklists [6.5.5.2]
- Outputs

### Validate Requirements [6.6]

- Purpose
- Inputs
- Focus on techniques
  - Acceptance and evaluation criteria definition [9.1]
  - Metrics and key performance indicators [9.16]
- Outputs