

# USE CASE MODELING

Course Code: 2712

Learn to create use case diagrams.

As a business analyst and as part of identifying and documenting requirements, you must be able to explain how individuals will interact with a new or updated system. Use case modeling is a modern approach for describing system requirements by focusing on "actors" to describe that interaction.

In this course, you will learn how to utilize use case modeling to document functional requirements that can be understood and validated by all project stakeholders, including technical staff and business stakeholders, increasing the likelihood that stakeholder needs on a project are met.

Through hands-on activities and 75% of your class time spent practicing new skills, you will master creating use case models, including creating use case diagrams and descriptions to communicate functional requirements. You will learn the theory and practice of creating use case flows to describe normal and exceptional usage scenarios and using advanced techniques to refine the use case model. You will learn how use cases can enhance your skills as a business analyst and help technical staff clearly understand the requirements of the business. Leveraging the best practices of use case modeling on your next project will ensure that it is designed to requirements and that client expectations are met.

Students pursuing a university-recognized and/or accredited certificate in Canada or continuing education units in the US must attend at least 90% of class time, participate in class exercises and section-knowledge checks, and score at least 70% on an end-of-class, multiple-choice assessment.

## What You'll Learn

- Identify the types of projects for which use case modeling adds the most value
- Ensure access to all prerequisite information prior to use case modeling
- Identify and document actors using user-centric analysis
- Document project scope and support scope decisions with use case diagrams
- Identify and document use cases at the right level of granularity
- Write use case descriptions, including use case scenarios and conditions to fully describe functional requirements
- Create business use cases to describe business processes and link them to automated systems that enable them

- Utilize use cases to support other activities, such as project management, design, and testing
- Manage use case documentation, including diagrams and descriptions using CASE tools

## Who Needs to Attend

Systems analysts, business analysts, IT project managers, associate project managers, project managers, project coordinators, project analysts, project leaders, senior project managers, team leaders, product managers, and program managers

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CLASSROOM LIVE

\$2,295 USD

3 Day

## Classroom Live Outline

1. Introduction to Use Case Modeling
  - The Nature and Purpose of Use Case Modeling
  - Types of Projects
  - Use Case and the Project Life Cycle
2. Clarifying Business Objectives
  - Preliminary Research
  - Clarifying the Mandate
3. Modeling Users and System Roles
  - Users, Roles, and User-Centric Analysis
  - Modeling User Constituencies
  - Developing an Actor Model
  - Presenting Actors
  - Creating Actor Descriptions
4. Identifying User Requirements
  - User Functionalities
  - Relating Use Cases to Actors
5. System Requirements I: Use Case Briefs
  - The Nature and Purpose of Use Case Briefs
  - Developing and Using Use Case Briefs
6. System Requirements II: Detailed Use Case Descriptions
  - Detailing Use Cases
  - Extensions and References
  - Advanced UML Techniques
7. Systems in Business Process Context: Business Use Cases
  - Business Use Cases

- Business and System Use Cases

## 8. Use Cases beyond the Analysis Phase

- Use Cases and Project Management Activities
- Use Cases and Design Activities
- Use Cases and Testing Activities

## 9. Use Case Documentation and Management

- Requirements Documentation
- The Role of CASE Tools

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VIRTUAL CLASSROOM LIVE

\$2,385 USD

3 Day

## Virtual Classroom Live Outline

### 1. Introduction to Use Case Modeling

- The Nature and Purpose of Use Case Modeling
- Types of Projects
- Use Case and the Project Life Cycle

### 2. Clarifying Business Objectives

- Preliminary Research
- Clarifying the Mandate

### 3. Modeling Users and System Roles

- Users, Roles, and User-Centric Analysis
- Modeling User Constituencies
- Developing an Actor Model
- Presenting Actors
- Creating Actor Descriptions

### 4. Identifying User Requirements

- User Functionalities
- Relating Use Cases to Actors

### 5. System Requirements I: Use Case Briefs

- The Nature and Purpose of Use Case Briefs
- Developing and Using Use Case Briefs

### 6. System Requirements II: Detailed Use Case Descriptions

- Detailing Use Cases
- Extensions and References
- Advanced UML Techniques

### 7. Systems in Business Process Context: Business Use Cases

- Business Use Cases

- Business and System Use Cases

#### 8. Use Cases beyond the Analysis Phase

- Use Cases and Project Management Activities
- Use Cases and Design Activities
- Use Cases and Testing Activities

#### 9. Use Case Documentation and Management

- Requirements Documentation
- The Role of CASE Tools

May 5 - 7, 2025 | 8:30 AM - 4:30 PM EDT

Aug 11 - 13, 2025 | 8:30 AM - 4:30 PM EDT

Nov 3 - 5, 2025 | 8:30 AM - 4:30 PM EST



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PRIVATE GROUP TRAINING

3 Day

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