DEVELOPING USE CASES

SYNOPSIS
As a fundamental component of identifying requirements for a new or upgraded system, business analysts must be able to illustrate how "actors," such as end users, stakeholders, or related systems, will be affected after the new system is implemented. This process, also known as use case modeling, provides business analysts with a powerful tool for documenting functional (and related) requirements — and the relationships between these requirements — in a manner that can be easily communicated to designers, programmers, project managers, and other project stakeholders.

Developing Use Cases provides business analysts with the required competencies for identifying and modeling use cases, which serve as vehicles for eliciting, analyzing, documenting, and communicating functional requirements. Participants will practice creating use cases using the Unified Modeling Language (UML®) to graphically represent the interactions between use cases and actors.

The course is designed for those who perform the function of business analysis (BA) and those who need to manage or participate in use case modeling.

LEARN
- Employ use cases to elicit, analyze, document and communicate functional requirements for software
- Use the Unified Modeling Language (UML) to create use case diagrams
- Determine when to employ use case modeling
- Prioritize use cases based on their importance to the business and on technical considerations
- Describe ways to develop consistent vocabulary between use cases and objects
- Ensure use case quality

TOPICS
INTRODUCTION TO USE CASE MODELING
- Organizing requirements with use cases
- Use case diagrams as a UML notation
- Organizing the model with packages

IDENTIFYING AND DESCRIBING ACTORS
- Use case actors
- Business versus system actors
- Identifying actors
- Mapping stakeholders to actors
- Users versus actors

IDENTIFYING AND DESCRIBING USE CASES
- Identifying use cases
- Writing a use case description
- Including preconditions, postconditions, assumptions, and scenarios

WRITING USE CASE SCENARIOS
- Identifying the main success scenario
- Identifying alternates and exceptions
- Indicating iteration

ADVANCED USE CASE MODELING TECHNIQUES
- Diagramming an <<include>> relationship
- Diagramming an <<exclude>> relationship
- Diagramming generalization and specialization
- Considering multiplicity

ENSURING USE CASE QUALITY
- Employing quality assurance techniques
- Ensuring use cases are testable

PRIORITIZING USE CASES
- Estimating project cost with use cases
- Employing prioritization techniques

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