Use Case Modelling

Duration: 2 days

" PM-Partners have been leaders in training and professional certification for over 20 years.

Our trainers are highly qualified, practitioners in their chosen fields. "

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Overview

When capturing requirements, Business Analysts (BAs) need to be able to show how 'actors' (end users, stakeholders and other systems) currently interact with a system and how they will interact with a new system once it is implemented.

Use case modelling provides a standard way of eliciting and documenting these interactions, which form the basis of functional requirements for a required future solution. Use case models provide a common 'language' which helps BAs communicate functional requirements to solution architects, developers and other project stakeholders.

Course Objectives

The aim of this course is to enable participants to:

» Articulate the value of use cases when capturing requirements

» Develop comprehensive use case descriptions and use case diagrams

» Break down use cases to the required level for effective handover to the development team

» Document alternate and exception paths for different use case scenarios

» Identify and manage process modelling risks

» Leverage use cases to develop other BA artefacts

Course Delivery

Trainers of this course will use a practical delivery approach to provide participants with a 'hands-on', multi-faceted and challenging learning experience.

Participants will be actively engaged in case study activities, scenarios and role-plays to gauge their current skill levels, and to further develop and build new skills for immediate transfer to their workplace.

This course can be held on-site or at our premises. All courses can be customised to suit your requirements.

Materials: A comprehensive participant handbook is provided.

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Who should attend?

This course is designed for:

» **Business Analysts**: Who develop use case process models to document current / future state as part of requirements elicitation.

» **Solution Architects:** Who need to understand the business environment and future need, through a common use case 'language'. Use cases also enable the Architect to map the current / future process to physical system (and network) capabilities.

» **Developers**: To understand the requirements that have been elicited and analysed. Understanding this graphical 'method' will enable developers to recognise and speak the same 'language' as the BAs, and further assist them in reviewing BA documentation and working on the technical specifications.

Prerequisites

To gain the greatest benefit from participation in this course, participants should be working in a business analysis environment, or planning to do so in the near future.

Participants should also have a basic understanding of:

» The Business Analysis (BA) role and the responsibilities of a BA through the project lifecycle

» Requirement types

» The process of eliciting, specifying and modelling requirements

» Object-oriented analysis and design concepts

Course Summary

Benefits of use cases

Definition of a use case. Use cases and the requirements process. When use cases add value. Traceability throughout the project lifecycle.

Unified modelling language
Overview. Using UML standards and symbols. BPMN concepts.

The use-case writing process
Developing use cases. Tracing use cases from stakeholder and functional requirements. The role of business and system 'actors' within the process. Mapping stakeholders to actors. Identifying and managing process modelling risks.

Creating use-cases
Identifying use cases. Creating use-cases at the appropriate 'level' e.g. to communicate the system scope. Writing use case narratives. Creating use case diagrams.

Developing detailed use-cases
Documenting use case scenarios, exceptions and alternate flows. Documenting assumptions, preconditions and postconditions. Using the <<include>> and <<extend>> relationships in use cases.

Leveraging use-cases
Creating activity diagrams from use case scenarios. Considerations for testing.