



System Requirements Definition using Use Cases Training Course - 1 Day

This training course teaches business and system analysts how to produce a detailed outside-in model of computer system requirements using use cases within the context of a [model-driven software development process](#). A strict best practice approach to writing effective use cases ensures that the results satisfy the needs of both non-technical and technical stakeholders. The gains that defining requirements with use cases brings to estimation, traceability, test development and management is discussed. Understanding is tested with exercises based on a real-world project example either [using a suitable use case modelling tool](#) or on paper.

Delegates will learn

- How to create a first cut overview of functional requirements with actors and use cases on a use case diagram
- How to write an effective use case description in a way that satisfies both non-technical and technical stakeholders
- How to specify the flow of events as a basic flow and alternate flows
- How to restructure the use case diagram to handle complex relationships between use cases without bloating the use case model
- How to integrate the use case model with non-functional requirements, data requirements, business rules and screen prototyping
- How a use case driven approach to requirements gathering improves estimation, project planning, test development and traceability

Suitable for:

Business Analysts, System Analysts, Requirements Gatherers, Developers and Project Managers with at least 2 years experience. This course is not suitable for those seeking certification as a step towards a qualification. See the [Certification Policy](#) for a detailed discussion.

Course Logistics:

Course attendance is limited to 12 students. Courses start at 9.00am and finish at 5.00pm each day. Students normally use a computer for the exercises, but these can be performed on paper if required. For a discussion on using a use case modelling tool please see [Modelling Tool Use on Courses](#). Printed course manuals for each student with copies of all presentations, exercises and solutions are provided.

On-Site (In-House) Courses:

The client is expected to provide an appropriate venue, refreshments, XGA/WXGA projector and screen, whiteboard or flipchart and at least one computer per two students loaded with a suitable use case modelling tool, unless exercises are to be performed on paper. For a full discussion of on-site course issues please see [On-Site Course Logistics](#).

Scheduled Public Courses:

This course is available as scheduled public training at our London Training Centre. Students bring their own laptops for use on the course. Please see the [Public UML Training Courses in London](#) page for details.

Pricing:

On-site (in-house) course pricing is available from the [On-Site Course Price Calculator](#) page. Public course pricing is available on the [Public UML Training Courses in London](#) page. For consultancy pricing please see the [On-Site Consultancy Price Calculator](#).

Training Course Outline

Day 1

Introduction

People - Course Structure - Unified Modelling Language - Origins of Use Cases - Why Use Use Cases?

Specifying Functional Requirements with Use Cases

System Use Cases and Actors - Primitive Use Cases and the Basic Course - Writing Effective Use Case Descriptions - Writing Sub-flows and Alternate Flows - 'Include' and 'Extend' Relationships - Modelling Browser-Based Applications

System Use Case Workshop

Gathering Requirements

Collecting Requirements Information - Mapping from the Business Model - Proof of Concept Prototypes - Requirements Documents - Estimating and Traceability - Incremental Development - Gaining Agreement

Gathering Requirements Workshop

Should the content of this Use Case training course not fit your exact requirements, then CRaG Systems can create a [custom course](#) for you. Please either email or call us to discuss your particular needs.

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