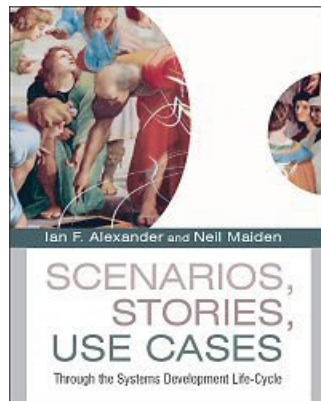


Introduction to Use Cases

1-Day Course



Purpose

This course aims to give participants the ability to create effective use cases to define the wanted behaviour of software and other systems.

Intended Audience

- System and software engineers, analysts, programmers, and others who need to specify the wanted behaviour of software and systems.

Teaching Approach

- A minimum of theory, introducing the key techniques and concepts of scenarios and Use Cases
- Team exercises, with presentations and debriefing
- A short Quiz on each topic
- Demonstrations, examples, and illustrations from the tutor's experience
- Discussions and feedback to make full use of the knowledge and experience of participants.

Since the course is based on the textbook *Scenarios, Stories, Use Cases*, the time on the course is spent ensuring that participants have a practical working knowledge of how to apply Use Cases. They each receive a copy of the book to take away and to study in depth after the course.

Tutor

Ian Alexander specializes in Requirements. He has worked in the aerospace, telecommunications, transport, automotive, software, and public service sectors. He provides consultancy and training on requirements discovery and requirements management. His books include *'Writing Better Requirements'*, Addison-Wesley 2002, *'Scenarios, Stories, Use Cases'*, Wiley 2004, and *'Discovering Requirements'*, Wiley 2009. He currently chairs the BCS Requirements Engineering Specialist Group. He is a Chartered Engineer.

Course Outline

a.m.

Scenario Types

Discovering Use Cases

The Parts of a Use Case

- Goal / Title
- Actors / Roles
- Main (Happy Day) Scenario
- Variations
- Exceptions
- Preconditions, Trigger
- Success & Minimal Guarantees
- Local Qualities & Constraints

p.m.

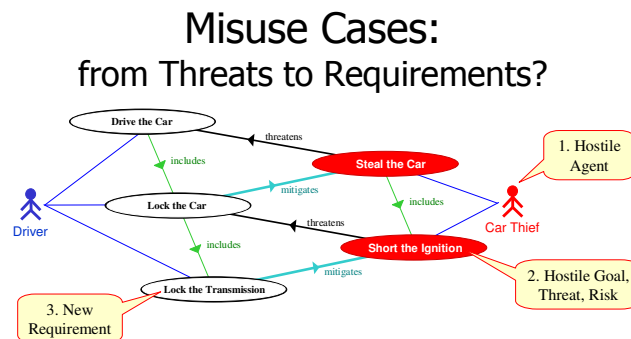
Documenting Use Cases

Negative Scenarios, Misuse Cases

What Use Cases Do Not Cover

Checking & Validating Use Cases

From Use Cases to Test Cases



- **Blue's Best Move** is to find **Red's Best Move**, and counter it
- Analyse Threats of any kind (Safety, Reliability, Security)
- Identify counter-measures
- Result is a list of candidate Requirements (to be prioritised)

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Feedback from Participants

“Great course leader, highly enthusiastic”

To book a course, contact iany@scenarioplus.org.uk

<http://www.scenarioplus.org.uk>