

Modelling Requirements with Use Case & the UML (RUML)

2-day workshop

This course is endorsed by:



(Program ID: E018-004, CDU:14)

Today's business analyst is seeing an increasing use of the Unified Modelling Language (UML) to describe and communicate business processes and requirements specifications.

This workshop is for business analysts who need to model new business requirements using the UML v2.0. We take an in-depth look at Use Case diagrams and how the business analyst can complement use cases with scenarios, activity, sequence and communication diagrams to comprehensively document new requirements.

Numerous exercises throughout the workshop give analysts the opportunity to practice the techniques being taught.

Part of the IRM family of business analysis courses, RUML is learn by doing... practical, hands-on, intensive... and fun!!

WHO WILL BENEFIT?

Business analysts, consultants, systems analysts and those involved with modelling requirements and business processes. Participants should be familiar with the fundamentals of business analysis and process modelling.

PRE-REQUISITES

Participants should have attended IRM's Business Analysis course (or similar) or have a minimum of 12 months practical experience in business analysis.

COURSE OBJECTIVES

To give business analysts the knowledge and confidence to undertake requirements and business process modelling using the UML.

Analysts will be able to produce requirements documentation and process specifications for accurate and unambiguous communications with project stakeholders and software developers.

LEARNING OUTCOMES

On the successful completion of the course delegates will be able to:

- Apply UML techniques to requirements gathering
- Apply the modelling concept of abstraction
- Use logical decomposition for problem solving
- Perform scenario analysis
- Develop Use Cases and Activity Diagrams to specify requirements
- Produce interaction diagrams to support Use Cases
- Read and understand Class Diagrams
- Apply the UML in a business analysis context

WHAT METHODS DO WE USE?

- Real-world examples
- Lectures on underpinning theory
- Group case study work
- Individual exercises
- Comprehensive delegate manual

WHAT OTHERS HAVE SAID...

"The Workshop provided an excellent foundation for business requirement documentation that is concise and consistent for all stakeholders"
Business Analyst Team Manager, Suncorp

"From what I have learnt I can see myself creating better software with less effort"
IT Consultant, SPL

"Excellent course, very practical. Can't wait to put into practice with my work"
Business Analyst, Centrelink

"The course gave me a good insight into UML and its applicability to modelling business systems"
Enterprise Architect, Transurban

"Instructor obviously has a lot of knowledge and experience in the analysis & design space (not just UML). He also focused on the conceptual, "rule of thumb" type knowledge derived from experience rather than just be buried in the syntactic requirements of UML... a very good course"
Director, Business Analyst Team, Dept. Health & Ageing

"Great course, very enjoyable and useful. Good break up of theory and practical work"
Business Analyst, KAZ Group

"Well explained with real world examples relevant to the BA's role today"
Business Analyst, Department of Justice

209/620 St Kilda Road
Melbourne, VIC 3004
Australia
ACN 007 219 589

Tel: (03) 9533 2300
Fax: (03) 9533 2400
Email: training@irm.com.au
Web: www.irm.com.au



Modelling Requirements with Use Case & the UML - Business Context

The UML offers a single, consistent notation for describing the full life-cycle of a project, from initial requirements modelling through to deployment and life-cycle management.

Whether an organisation has implemented a UML software development environment or just wants to utilise the capabilities of this graphical language as a communications tool, the business analyst with UML skills can offer a greater contribution to a successful project outcome. For iterative and incremental projects, the UML allows greater collaboration between users and developers through the use of a common "language" to describe and share ideas, concepts and scenarios.

DAY 1

Modelling concepts

Abstraction and model organisation. High-level, group and primitive models.

The UML development lifecycle

UML models and diagrams. How and where they are used. Incremental development in the UML framework.

Use Case diagrams

Format and notation. Text and scenario analysis techniques to identify, model and document use cases. Using role-play.

Activity diagrams

Uses, format and notation. Using activity diagrams to model Business Processes as well as articulating requirements within a Use Case.

DAY 2

Object-oriented concepts

Objects, classes and encapsulation. Event-based systems.

Class diagrams

Usage, format and notation. Techniques for documenting the class and object structure of a object-oriented application using UML.

Scenario Analysis

Techniques and objectives. Interviews and documentation.

Sequence & communication diagrams

Format and notation. More a design technique than analysis. Business Analysts will be involved in using these when communicating with Architects, Designers and Developers. Constructing sequence diagrams. Converting sequence diagrams to communication diagrams.

UML models

Using several diagrams to create a complete view of business requirements. Relationships between diagrams.

What's different about Instructor-led training?

"Learn by doing" has long been recognised as the most effective way of teaching skills and techniques. The more complex the skills, the more effective instructor-led workshops become compared to self-paced, self-learning or lecture style teaching.

All IRM courses are practical workshops, led by experienced instructors. Each workshop is oriented around a fully worked case study or practical exercise where course delegates work in teams and individually to re-enforce the skills being taught.

One thing we guarantee – these are "roll your sleeves up" courses with an emphasis on doing, participation, interaction—and learning. Students have the opportunity to develop contacts from other organisations and to discuss and share common issues, problems and solutions.

For course dates and bookings:

Visit: www.irm.com.au Phone: 03 9533 2300 Email: training@irm.com.au