
Information Modelling (Duration 2 days)

Overview

The Information Modelling course is an intensive two-day workshop covering the core concepts and elements of Information Modelling. The course provides a definition of the elements Information Modelling supported with real life practical examples of the use of the notations. Course participants will get an opportunity to reinforce the Information Modelling concepts learnt through a series of instructor lead presentations via practical workshop exercises including checklists, templates, and guidelines.

Learning Objectives

- Gain an understanding of the role and uses of Information Modelling in business analysis;
- Understand the different Information Modelling techniques and elements and their graphical representation;
- Appreciate the depth and complexity of Information Modelling;
- Appreciate the usage of Information Modelling to understand business data.

Course Outline

Introduction to Information Modelling

- Why do you model information
- Sources of business information
- Approach to modelling information
 - When do you need to model business information
 - Relationship between business process modelling and information modelling
 - Role of a business analyst in information modelling

Information Modelling Notation Overview

- Unified Modelling Language (UML) Overview
 - Definition
 - The need (drivers) for UML
 - Components of UML
- UML History
 - Background to Object Oriented (OO) Analysis
 - Who is responsible for the governance of UML?
 - What is the current version of UML?

Modelling Static Information (Class Modelling)

- What is a Class Model?
- When should you use a Class Model?
- The UML Notation for a Class Model
 - Information attributes
 - Information behaviour
 - Information relationships (multiplicity, inheritance, aggregation)
- UML Class Model guidelines

Modelling the Lifecycle of Information (State Modelling)

- What is a State Model?
- When should you use a State Model?
- The UML Notation for a State Model
 - Events / Actions
 - States
 - State transition
- UML State Model guidelines

Modelling the Dynamic Behaviour of Information

- Modelling the interaction between different types of information
 - Collaboration diagrams
 - Interaction diagrams

Information Analysis

- Using Information Modelling to produce:
 - Business Glossary of Terms
 - Data Dictionary
 - Business Rules
- Data Modelling Tools