

The Unified Modeling Notation (UML®) using Enterprise Architect

Two Day Course Syllabus

DAY I

Introduction to Enterprise Architect

Desktop Layout

- Toolbox and diagram relationship
- Hiding, docking, moving, closing and restoring windows

Managing Projects

- Creating Projects
- Creating root nodes and Views
- Creating and viewing Packages
- Organizing models

Managing Diagrams

- Creating diagrams
- Diagram options and properties
- Diagram tips and tricks

User Interface

- Commonly used windows
- Saving & restoring custom layouts

Tool Configuration

- Defining People
- Defining Types
- Common Option Settings

Modeling the Problem Space

Managing Requirements

- Requirement definition
- Creating requirements
- Importing requirements
- Organizing requirements

Use Case Management

- Definition
- Best practices
- Use Case diagrams
- Discovering Actors
- Guidelines for Creating Use Cases
- Modeling Use Case Scenarios
- Defining constraints
- Using Behavioral Diagrams to Illustrate Scenarios
- Tracing Requirements to Use Cases

COURSE LEADER

Frank Truyen

is a principal consultant and trainer, with 15+ years of experience in the IT industry as a developer, architect, consultant and manager.

Strong expertise in different modeling notations such as UML® and BPMN™, allied with a wide experience of different modeling tools, has allowed Frank to successfully provide training and consulting services over the last decade to a broad variety of customers across many industries.

DAY 2

Modeling the Solution Space

Defining the Structural Model

- Object-Oriented principles
- Classes and Objects
- Element visibility
- Relationships
- Attributes
- Rules and constraints
- Stereotypes and Tagged Values
- Grouping elements into Packages

Defining the Behavioral Model

- Discovering and Assigning Responsibilities
- Patterns for Assigning Responsibilities
- Operations
- Interfaces
- Activity diagrams
- Sequence diagrams

Traceability and Navigation

End-to-End Modeling Exercise

- The Online Bookstore Model, or
- A User Defined Modeling Exercise

Common Tool Features (as time permits)

Documentation Generation

- Template driven RTF generator
- HTML generator
- Virtual documents

Searching the Repository

- Managing Baselines
- Comparing Models
- Document Artifacts