UML & Sparx Systems Enterprise Architect for Beginners

The UML with Enterprise Architect for Beginners training course is designed to be an introduction to Sparx System's UML modelling tool; Enterprise Architect (EA). The course is aimed at people who want to quickly gain a proficiency in the use of the Unified Modelling Language (UML) and Enterprise Architect and who have no prior experience in either. This course is broad in its coverage and attempts to teach the important aspects of the language, its application, structure and features.

What will I learn on the UML with Sparx Systems Enterprise Architect for Beginners training course?

Delegates will gain a practical knowledge of UML and Enterprise Architect to allow them to immediately start working on projects using UML and Enterprise Architect.

Course Style;

This course is hands on and consists of 50% lecture and 50% practical exercises.

UML with Sparx Systems Enterprise Architect for Beginners; Course Content

Introduction to the Unified Modelling Language (UML)
- Brief introduction covering what the UML is including diagram types and very brief history

Introduction to Enterprise Architect
- What is Enterprise Architect?
- EA Architecture
- A look at the object browser and how models are structured using views and packages
- Diagramming techniques
- Enterprise Architect Options menu
- Enterprise Architect Settings menu
- How to search the model
- Focus is on getting new users to a point where they are familiar with how to use the tool and where to find certain features; also trying to instil best practice early on such as using package diagrams to structure views and reuse of elements in the model.

Use Cases
- How to draw the Use Case diagram
- Identification of use cases and actors
- Discussion on application within iterative development methodologies
- Specification of Use Cases (Basic Flow, Alternate Flows, Exception Flows) using text
- Common issues and their solutions

Activity diagram

- How to draw Activity diagrams
- Look at how to document use case specifications diagrammatically with activity diagrams and the benefits it brings
- Look at business process modelling using activity diagrams and the advantage of using structured activities

Class Diagram

- Discuss classes and objects
- How to draw class diagrams
- Differences between domain modelling and implementation modelling
- Object diagram (brief overview)

State Machine Diagram

- How to draw State Machine Diagrams
- How to Model an Object State in EA so that those states are available for that object throughout the model.

Sequence Diagram

- Discuss differences between using sequence diagrams for analysis or design
- How to draw sequence diagrams

Component Diagram

- How to draw Component Diagrams
- Discuss Applications of Component Diagrams such as analysing existing Architectures to look for possible optimisations
- Show how to link component class design to the component without compromising the structure of the model

Deployment Diagram

- How to draw Deployment Diagrams
- Discuss what a Deployment Diagram represents

Documentation in Enterprise Architect

- How to generate RTF documentation in EA
- Customise RTF templates
- How to generate HTML documentation in EA
- Customise HTML templates
- Virtual documents

Prerequisites
There are no pre-requisites for this course but delegates should have some understanding of the Unified Modelling Language (UML).

Recommended Follow-On Courses

[UML with Sparx Systems Enterprise Architect for Business Analysts](#)

[UML with Sparx Systems Enterprise Architect for UML Practitioners](#)

If you require a quote for onsite training please [contact us](#).