Use Enterprise Architect

for

Software

Architecture Modeling

(Course Code: EA4SAM)

EA4SAM is a 1-day intensive guided hands-on workshop for learning quickly the most essential Sparx Systems EA software features to model UML-compliant software architecture using a simple case-study.

You will learn how use EA to model users', systems functional and data requirements & software design classes based on the MVC design patterns. In addition to modeling, you will also learn how to use EA to trace from requirements through to design classes and code.

1   Introduction

1.1   Learning Objectives

This 1-day hands-on guided workshop introduces you to the most essential features of EA to model user's (or business) requirements, systems requirements, data requirements and technical design based on a simple case-study.

At the end of this workshop, you will be able to use the essential features of EA to:

- Model user or business requirements;
- Model systems requirements such as systems functions and constraints;
- Model data requirements;
- Model systems technical design architecture; and
- Trace model elements from user requirements to design.

EA4SAM contains limited information about modelling methodologies, best practices, guidelines and techniques which are covered in detail in the following courses:

- RAM: Requirements Analysis Modeling (2-days)
- TDM: Technical Design Modeling (2-days)

RAM and TDM will use a more complex real-life application case study for the hands-on workshop.

1.2   Systems Requirement

You will need to bring your own Microsoft Windows 7 or later notebook installed with

- Enterprise Architect Corporate Edition (Download 30-day evaluation license from http://www.sparxsystems.com/bin/easetup.msi).

1.3   Pre-requisites

Attendees are assumed to have prior knowledge and some working experience in users and functional requirements specification, database design and technical design specification.

1.4   Suggested Topics

- Start and Configure a new EA Project
- Root model, Packages & sub-packages for Software Architecture Modeling
- User Requirements Diagram
- UML Package, Use Case, Class and Sequence Diagram diagrams
- Class Participation & Object Interaction Diagrams
- Model Property Specification
- Traceability Matrix Specification