ProTech Professional Technical Services, Inc.

ProTech
protechtraining.com

Sparx Enterprise Architect Business Process Modeling

Course Summary

Description

Enterprise Architect Business Process Modeling provides students with a hands-on opportunity for learning how to capture business process models using the Business Process Modeling Notation 2.0 (BPMN) with Sparx Enterprise Architect (EA). Starting with an overview of EA, students will learn how to create, delete, and move model elements, draw relationships, review various tool configurations, model structuring and organization guidelines. Students begin building a fact model using UML class diagrams and then create UML actors and use cases to build a business service model. Using BPMN, students create external and internal business process diagrams (orchestrations) using message and sequence flows and gateways. Students then create internal process diagrams using pools and lanes, sub-process and tasks, and events (start, intermediate, and end). The course finishes with students describing composite and detailed conversations, modeling choreographies, and organizing the process model. Most class time is used for students to do hands-on lab exercises following a step-by-step workbook.

Objectives

After taking this course, students will be able to understand:

- How to apply key features of Sparx Enterprise Architect
- Business fact modeling with UML
- Business process modeling with BPMN
- Build integrated set of business models
- Business fact model
- Business process model
- Business rule model
- Diagrams covered
- UML class diagram
- UML use case diagram
- BPMN business process diagram
- BPMN conversation diagram
- BPMN choreography diagram

Topics

- Build Fact Model
- Build Business Service Model
- Model Public Business Process
- Model Internal Processes
- Organize Process Model
- Model Choreography Process

Audience

This course is designed for:

- Business architects
- Business analysts
- Business process designers
- System analysts
- Software architects
- Data modelers
- Software designers

Prerequisites

Before taking this course, you should have taken a Business Process Modeling with BPMN course or have equivalent experience.

Duration

One day

ProTech Professional Technical Services, Inc.

Sparx Enterprise Architect Business Process Modeling

Course Outline

I. Build Fact Model
   A. EA workspace configuration
   B. Business domains and entities
   C. Relationships and element lists

II. Build Business Service Model
   A. Business actors and services
   B. Business service diagram
   C. Organize service model

III. Model Public Business Process
   A. External business process diagram
   B. Pools, sequence and message flows
   C. Exclusive gateway

IV. Model Internal Processes
   A. Supporting external processes
   B. Parallel gateway
   C. Conditional sequence flow
   D. Start, intermediate, and end events

V. Organize Process Model
   A. Composite and detailed conversations
   B. Choreographies
   C. Multi-instance parallel activity
   D. Organize participants, conversations, and messages

VI. Model Choreography Process
   A. Pools and lanes
   B. Sub-processes and tasks
   C. Compensations and ad-hoc processes
   D. Searching model
   E. RTF and HTML reports