

BA04: Business Process Modeling (with UML 2 and BPMN)

Price: 1095

Duration: 2 days

Delivery Methods: Virtual

Overview

Learn how to use static, structural analysis techniques to model a business domain. This is a hands-on practical workshop in using class diagrams, data models and other structural modeling diagrams to describe business requirements for an IT system. You will step through a complex real-life case study, learning at what points to develop and verify portions of the model. You will learn how to use structural analysis 'live' during interviews to define business concepts and objects and capture definitional business rules and, later, how to use the structural model to verify use cases in the behavioral model. Trainees also learn how and when to convert class diagrams to ERDs (Entity Relationship Diagrams).

Why Attend this Course?

Project failures or cost overruns can often be traced to Business Requirements documentation that is incomplete, inconsistent or ambiguous.

Object and data modeling address all three issues:

- Complete documentation is ensured through model-driven interview techniques that ensure that all the right questions get asked.
- Consistent documentation is obtained through techniques that centralize common business rules in one set of diagrams
- Unambiguous documentation is produced by conforming to the UML guidelines widely accepted and understood by developer

Prerequisites: None

Audience

- Business Analysts
- Data Base Administrators, Systems Analysts, Data Modelers expanding their role into the Business Analysis area

Objectives

Upon completion of this course, you will be able to:

- *Use object modeling to help guide questions during interviews*
- *Integrate object modeling with use-case analysis*
- *Create UML class diagrams that centralize business rules that apply across multiple use cases and business contexts.*
- *Create links from structural modeling diagrams to the textual use-case requirements, and vice-versa: from the use case text to the diagrams.*
- *Know how much modeling to do (and why) for different types of projects..*
- *Convert class diagrams to entity relationship diagrams (ERD) for use with Relational Data Base Management Systems (RDBMS).*
- *Understand the BA role on a Data Warehousing project and how to transition from relational transaction databases to a data warehouse.*

Course Outline

Day 1:

- *Lesson 1: Structural analysis and the BA*
- *Lesson 2: Analyzing Business Classes*
- *Lesson 3: Analyzing Sub-types (Generalizations and transient roles)*
- *Lesson 4: Analyzing Aggregations, Associations and Multiplicities*

Day 2:

- *Lesson 5: Discovering attributes and operations*
- *Lesson 6: Structural Modeling during Initiation*
- *Lesson 7: Structural Modeling during Analysis*
- *Lesson 8: Data Modeling and Data Warehouses*

Course Schedule

Date	Time	Price	Options
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FAQ

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