Business Analysis Training: Professional Data Modeling (SBDMD, 2 jours)

Description

The course Professional Data Modeling (Business Analysis Training) explores modern data modeling for relational data. The course begins with a discussion of business analysis for requirements elicitation and of normal forms for relational data. The course then explores relational database terminology including tables, fields, constraints, primary & foreign keys in the context of entity, domain & referential integrity. The training concludes with the analysis, design & implementation of a relational data model.

Tarifs

- Tarification: $1,500/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Object Oriented Analysis and Design

  Understanding the Role of the Business Use Case

  Performing Object Identification

  Eliminating Objects: Identifying Antonyms and Antonyms

  Creating a Candidate List with Definitions

  Identifying Primary Object Associations

  Drafting a Domain Model

Exploring Relational Data

  The Relationship between an Object and an Entity

  The Relationship between a Property and a Field

  When a Property becomes a Table

  When an association becomes a Table

  The Importance of Normal Form

  What 1st Normal Form Provides

  What 2nd Normal Form Provides

  What 3rd Normal Form Provides

  What Boyce-Codd Normal Form Provides

  The Cost of Failing to Normalize

  The Benefits of Denormalization

Exploring Relational Database Constructs

  About Tables, Fields, Keys and Indexes

  Ensuring Entity Integrity with Primary Keys

  Ensuring Referential Integrity with Foreign Keys

  Ensuring Domain Integrity with Constraints

  Exploring the Role of Indexes

Moving from Analysis to Design

  The Basics of ER Diagrams

  Moving from an Object to an Entity

  Adding Entity Relationships

  Adding Entity Attributes

  Adding Relationship Attributes

  Specifying Data Types

Finalizing the Mode with Quality Checks

Generating the Model for a Specific RDBMS