



**DIGILEAF INC.**

*Leading Excellence Among Fellows*

## Course Outline

### Enterprise Architecture Learning Track

## Refining Domain Model: Adding Association Classes

This course discusses additional useful ideas and notations available for domain modeling and applies them to refine aspects of other iterations of a Domain Model. This course covers how to identify domain requirements that would set the stage for association classes.

### Training Objectives

In groups, participants will be able to model association classes, aggregation, and refine aspects of the domain model.

Individually, the participants will be able to:

1. Add association classes to the Domain Model.
2. Add aggregation relationships.
3. Model the time intervals of applicable information.
4. Choose how to model roles.
5. Organize the Domain Model into packages.

### Target Audience

- Business Architects
- Enterprise Architects
- Anyone who will be involved in creating/maintaining data architecture.

### Learning Methodologies

- Interactive Lecture/Demonstration
- Workshops

### Topics

- I. Introduction
- II. Association Classes
- III. Guidelines for adding association classes
- IV. Aggregation and Composition
  - a) Aggregation in the UML
  - b) Benefits of Showing Aggregation
  - c) Roles as Concepts vs. Roles in Association
  - d) Derived Elements
  - e) Association Role Names
  - f) Qualified Associations
  - g) Reflexive Associations
  - h) Ordered Elements
- V. Using Packages to Organize the Domain Model
  - a) UML Package Notation
  - b) Ownership and References
  - c) Package Dependencies
  - d) Package Indication without Package Diagram
- VI. How to Partition the Domain Model
  - a) Domain Model Packages
  - b) Core/Misc Package

**Duration** 4 day(s)