Modeling in an Object Oriented Environment

Course Summary

Description

This course presents the basics of the Yourdon/Coad approach to object-oriented analysis and design. The course covers the creation of a System Essential Model (requirements specification) and a System Implementation Model (design specification) using object-oriented models and techniques. Hands-on workshops using a JAD format are used to reinforce concepts.

Objectives

At the end of this course, students will be able to:

- Define the terminology and concepts that are the basis of object-oriented theory, such as abstraction, encapsulation and inheritance.
- Define a planned response system.
- Identify the essential events, essential activities and essential data that constitute a business system.
- Explain the required models in the Yourdon/Coad object-oriented analysis and design process.
- Use logical data flow diagrams to create and document a System Essential Model partitioned around object classes
- Use physical data flow diagrams to create and document the new System Implementation Model partitioned around processors and object classes.
- Perform application area design, interaction design, data management design, and transaction management design.
- Discuss the options available when implementing an object-oriented design into a relational database management system.

Audience

This course is designed for business and technical experts that want to learn the basics of object-oriented analysis and design.

Prerequisites

There are no prerequisites required for this course.

Duration

Five days