Object-Oriented Analysis and Design (Part 2)

Overview

Objectives

- Here is what you should be able to do upon completion of this module
    - Perform dynamic object-oriented analysis modeling and express the models using UML activity diagram notation
    - Create static object-oriented design models of the code using UML class diagram notation
    - Create dynamic object-oriented design models of the code using UML sequence diagram notation

Outline

1. Introduction
2. Dynamic analysis modeling
3. UML activity diagrams
4. Internet storefront example – analysis activity diagram
5. Introduction to OO Design
6. Static OO design modeling using UML class diagram notation
7. Implementing associations
8. Implementing aggregations and compositions
9. Object lookup
10. Implementing generalization-specialization
11. Internet storefront example – design class diagram
12. Dynamic design
13. UML sequence diagrams
14. Structuring sequence diagrams
15. Internet storefront example – design sequence diagrams

Next

- Dynamic analysis modeling