



Object-Oriented Analysis



Three Steps of OOA

Class Modeling

Purpose: Determine the classes, their attributes and their interrelationships.

Tool: **Entity-Relationship Diagram (or IC card)**

End Product: **Class Model Diagram**

Comment: ER diagrams (or IC card) from requirements spec

Dynamic Modeling

Purpose: Determine the actions performed by/to each class or subclass.

Tool: **Finite-State Diagram**

End Product: **Dynamic Model Diagram**

Comment: Dynamic model can be derived from scenarios

Functional Modeling

Purpose: Determine how the various parts of the product interact.

Tool: **Data Flow Diagram**

End Product: **Functional Model Diagram**

Comment: Data flow diagrams from requirements spec

The above three steps are iterated, until a satisfactory specification is found.