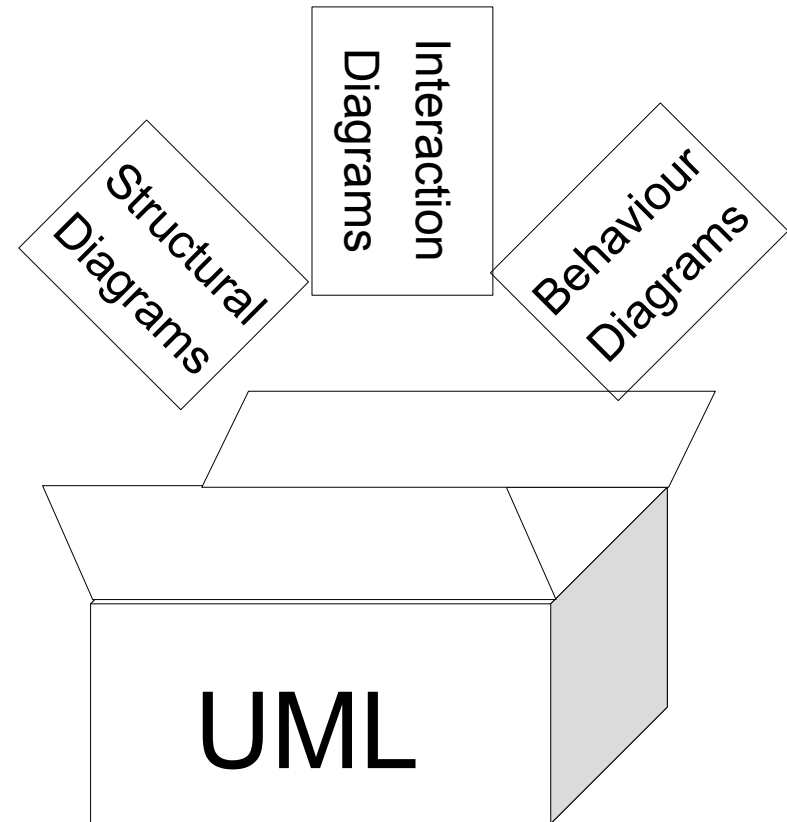# The Unified Modelling Language (UML)

Mapping Software onto Targets:
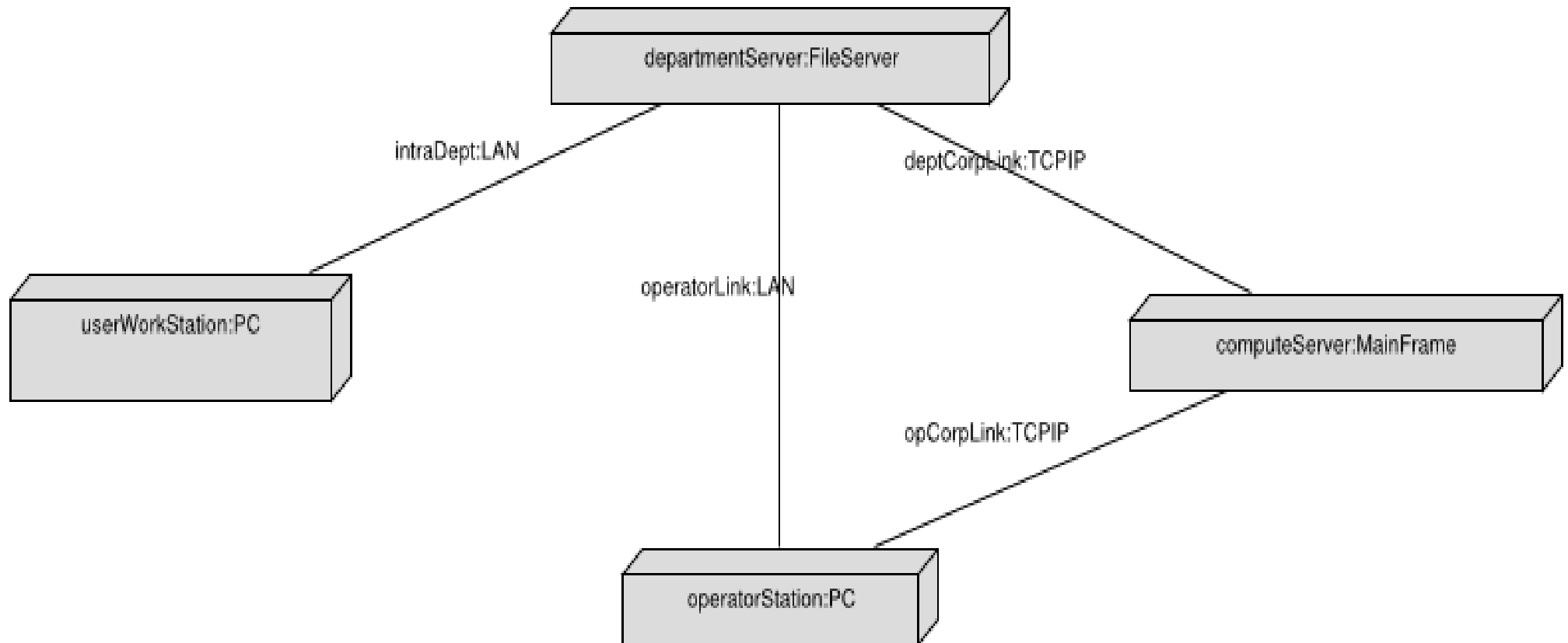
Deployment Diagrams

UML: collection of notations/languages
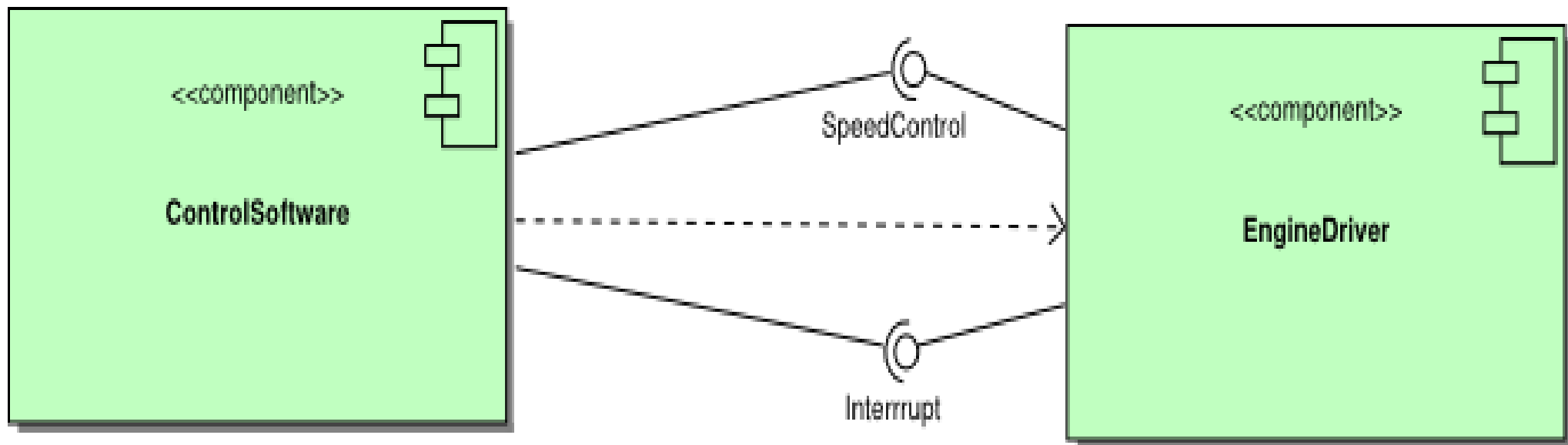
- **Requirements:**
  - Use Case Diagram
- **Structural:**
  - Class Diagram
  - Package Diagram
  - Component Diagram
- **Interaction:**
  - Communication Diagram
  - Sequence Diagram
- **Behaviour:**
  - Activity Diagram
  - State Machine Diagram (Statechart)
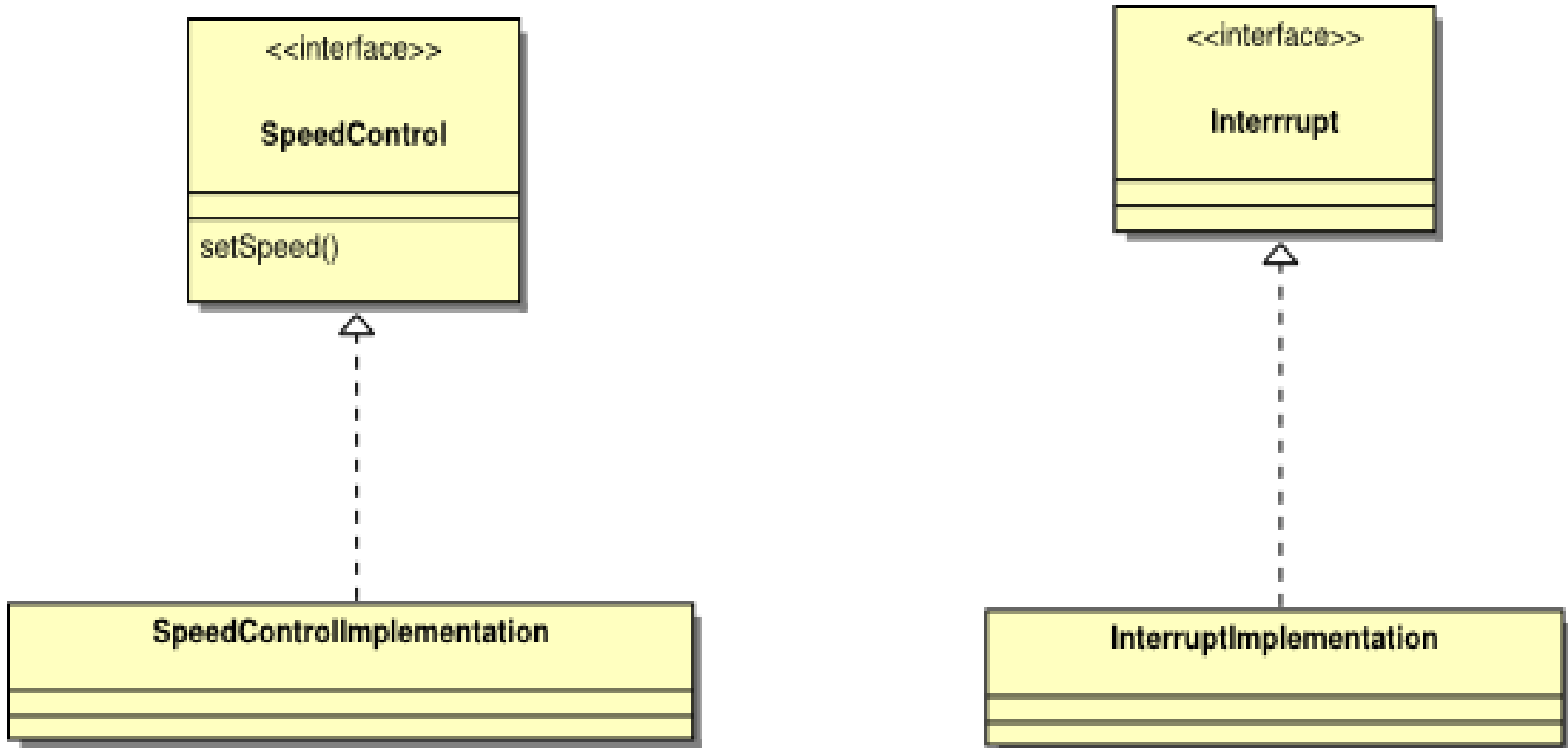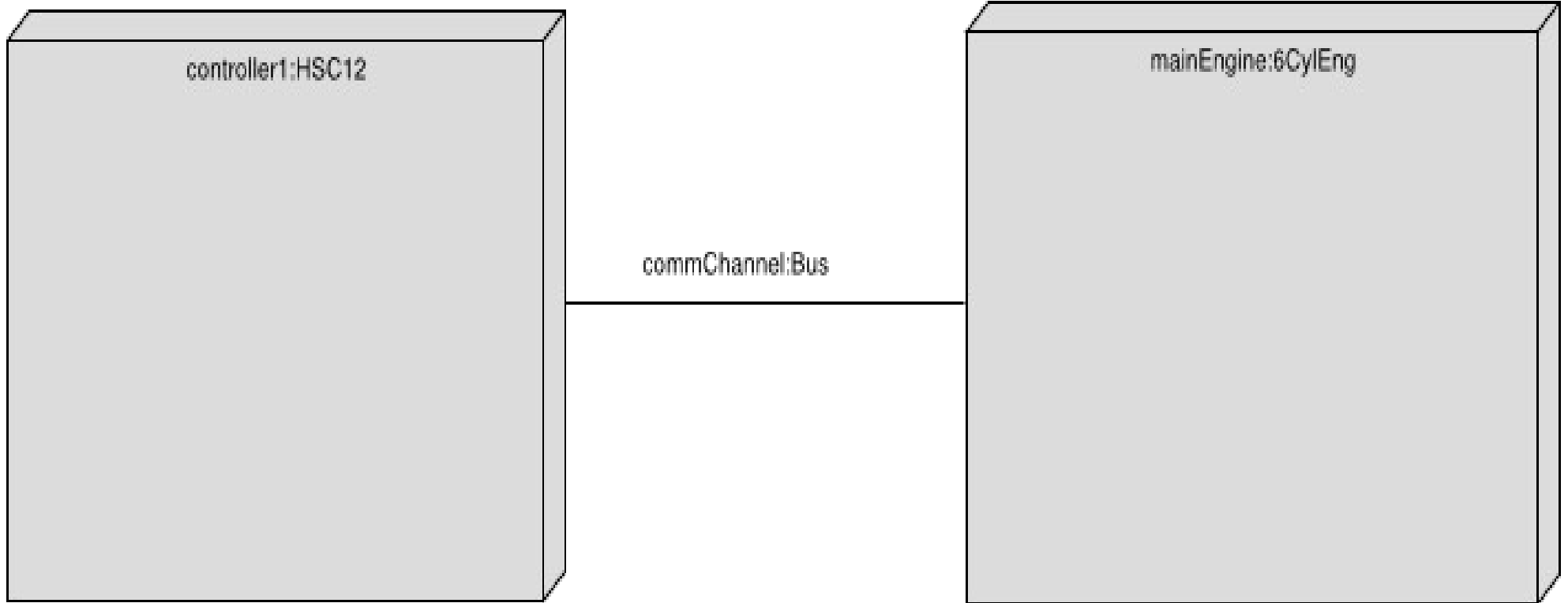- **Deployment:**
  - Deployment Diagram

Structural Diagrams

Interaction Diagrams

Behaviour Diagrams

UML

Deployment Target

departmentServer:FileServer

intraDept:LAN

deptCorpLink:TCPIP

operatorLink:LAN

userWorkStation:PC

computeServer:MainFrame

opCorpLink:TCPIP

operatorStation:PC

Software Components

Looking inside the Interfaces

controller1:HSC12

mainEngine:6CylEng

commChannel:Bus

Component – Target Mapping