Facilities Management System

This system should keep track of room usage, maintenance requests, and equipment. There are 4 types of rooms: offices, lecture halls, recitation rooms, and labs. These rooms can contain computers, projectors, etc. Rooms have a capacity and an owner.
Software Engineering
Applying a methodology to
Guide us from initial request →
development/maintenance of a system.

Object Analysis Phase
Noun Verb Analysis
CRC Cards - Class Responsibility Collaboration
Class diagram

Room
- methods
- fields

Equipment

UML Diagram

MRequest
Queue

Person
Reservation
Unified Modeling Language

17 different kinds of diagrams

- Standardized
- Communication tool
- \( \Rightarrow \) automatic code generation