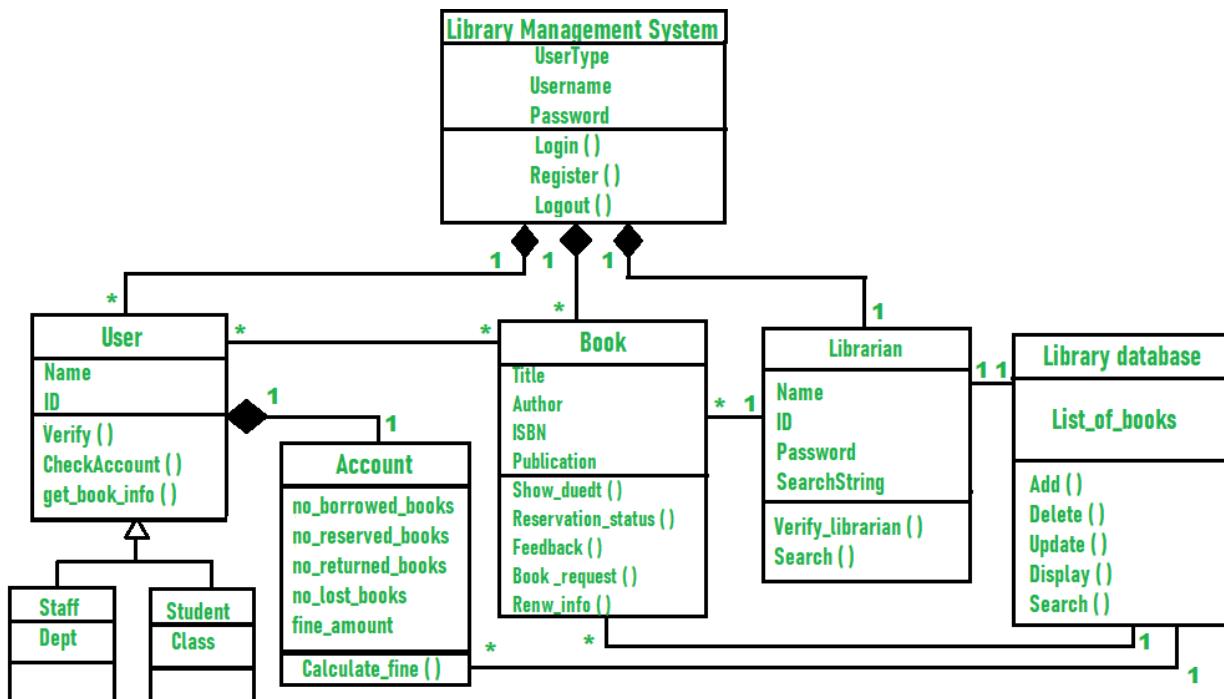


❖ Assisted Problems

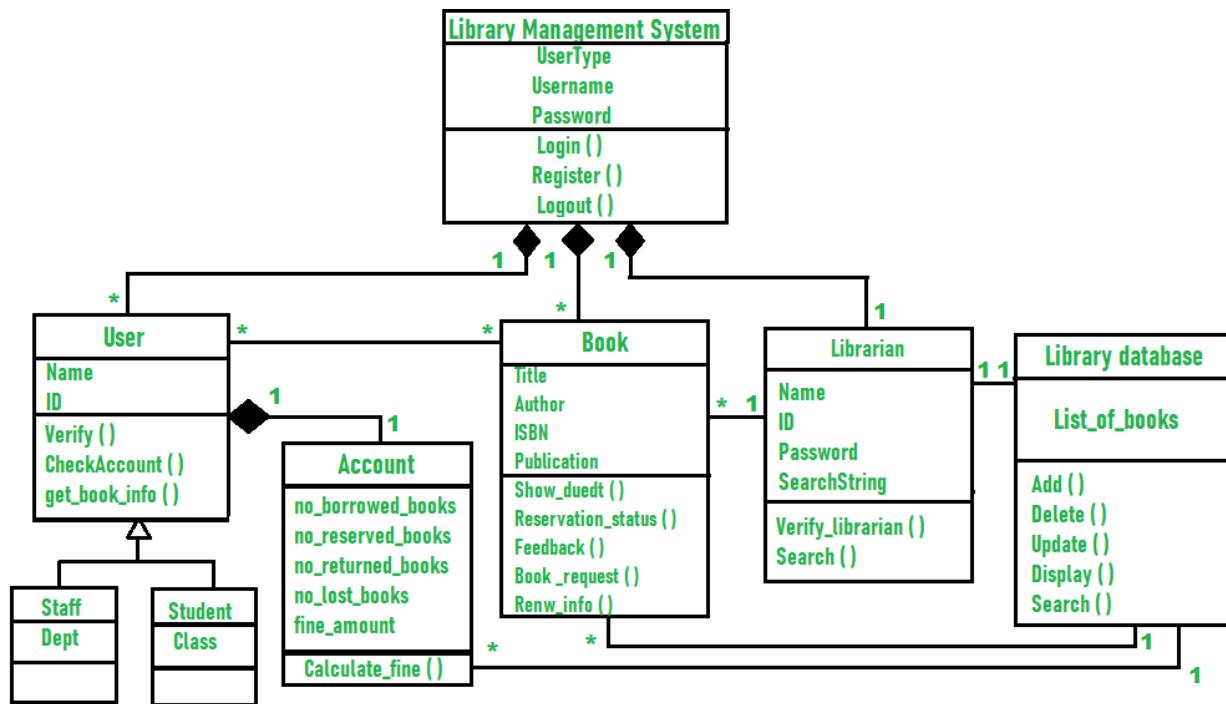
█ Problem 1: Library and Books (Aggregation)

Class Diagram



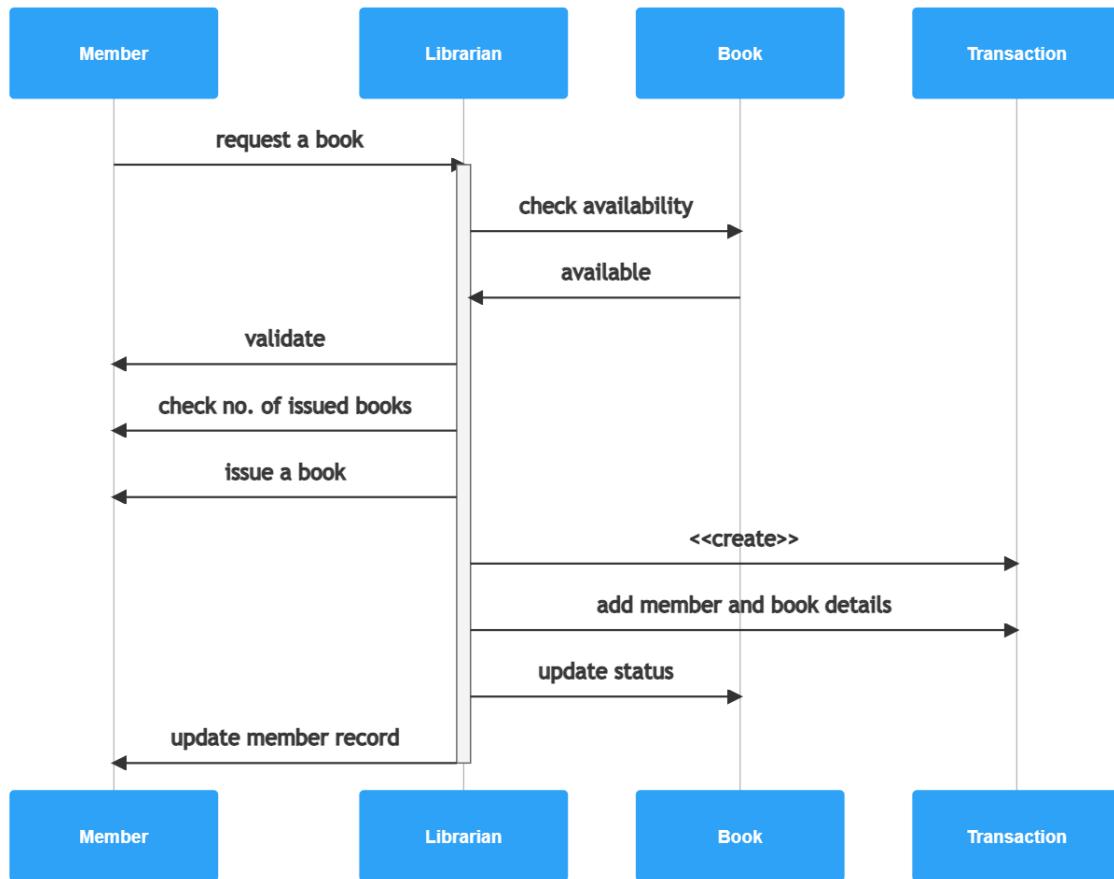
CLASS DIAGRAM FOR LIBRARY MANAGEMENT SYSTEM

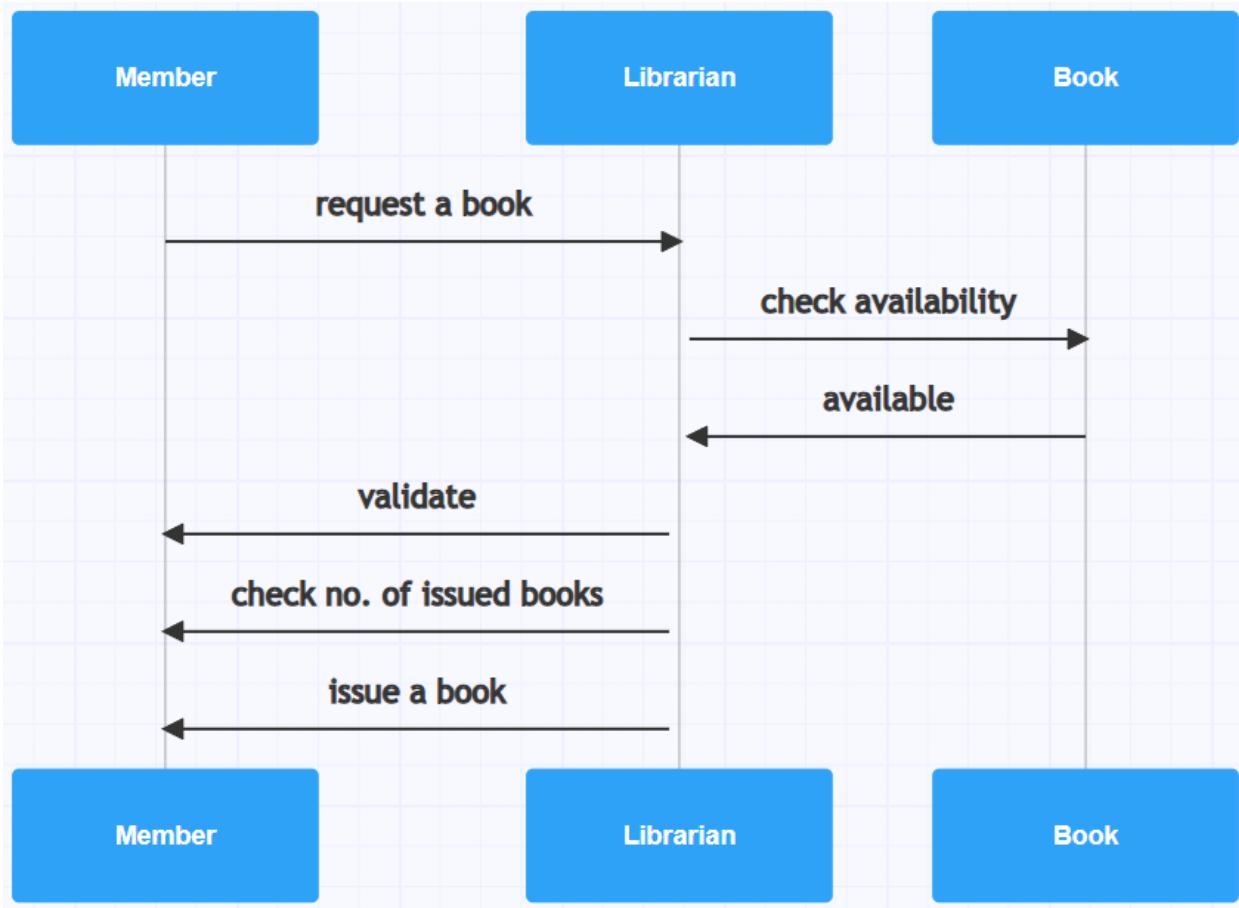
Object Diagram



CLASS DIAGRAM FOR LIBRARY MANAGEMENT SYSTEM

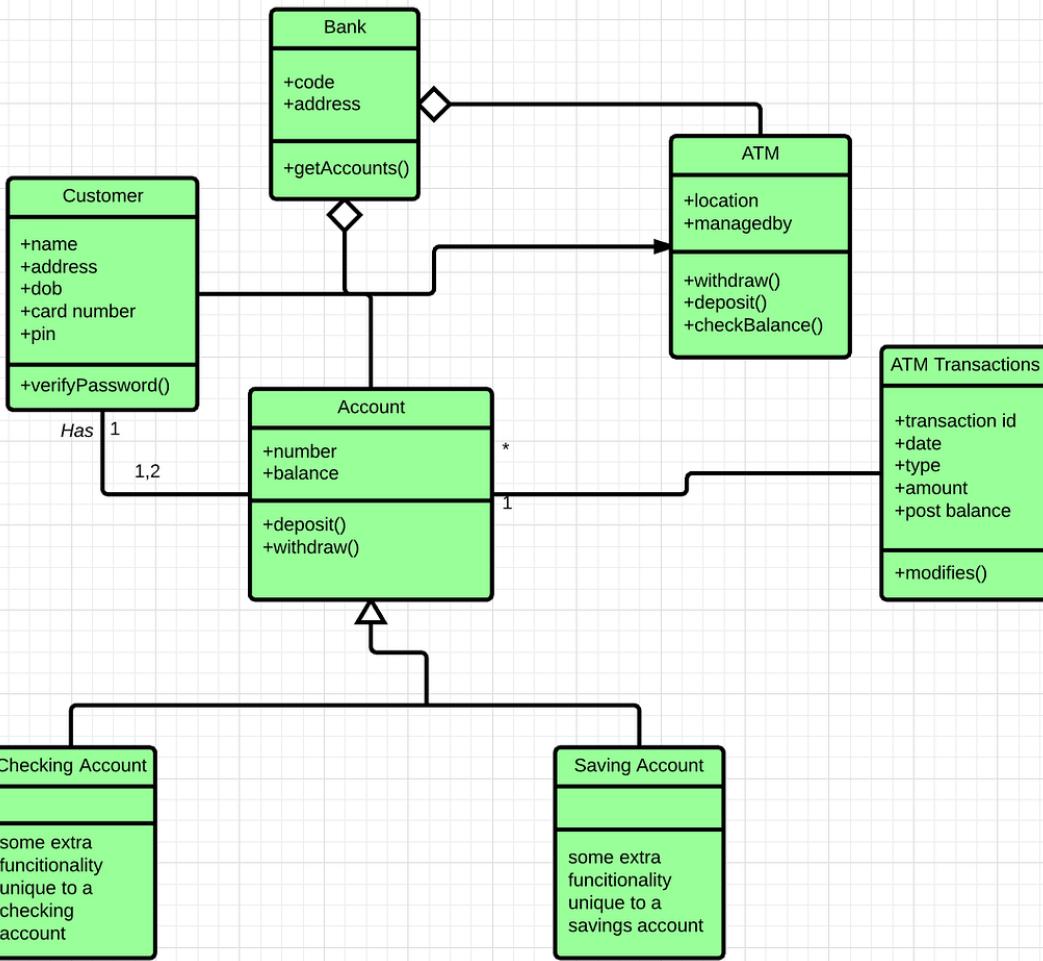
Sequence Diagram

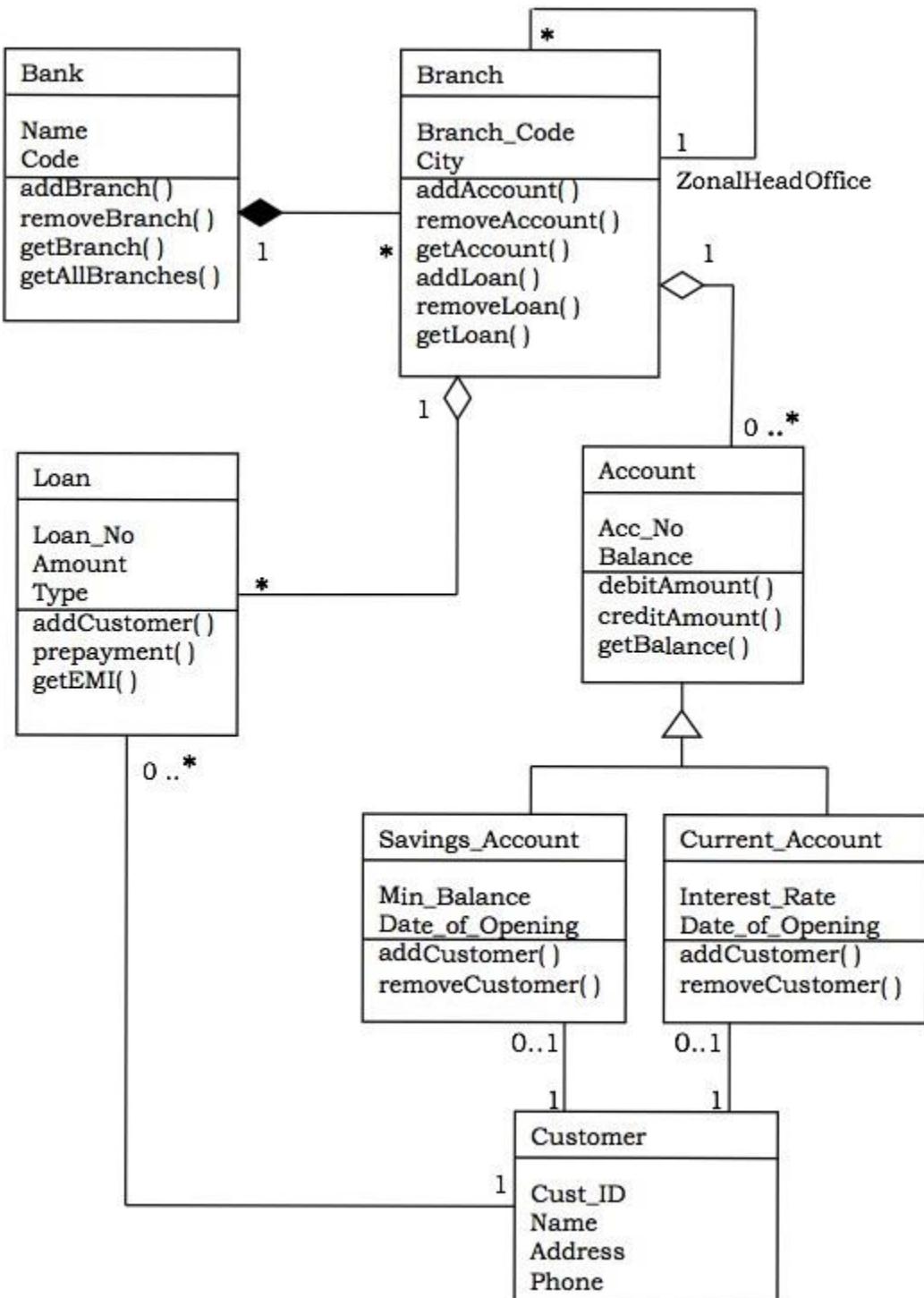




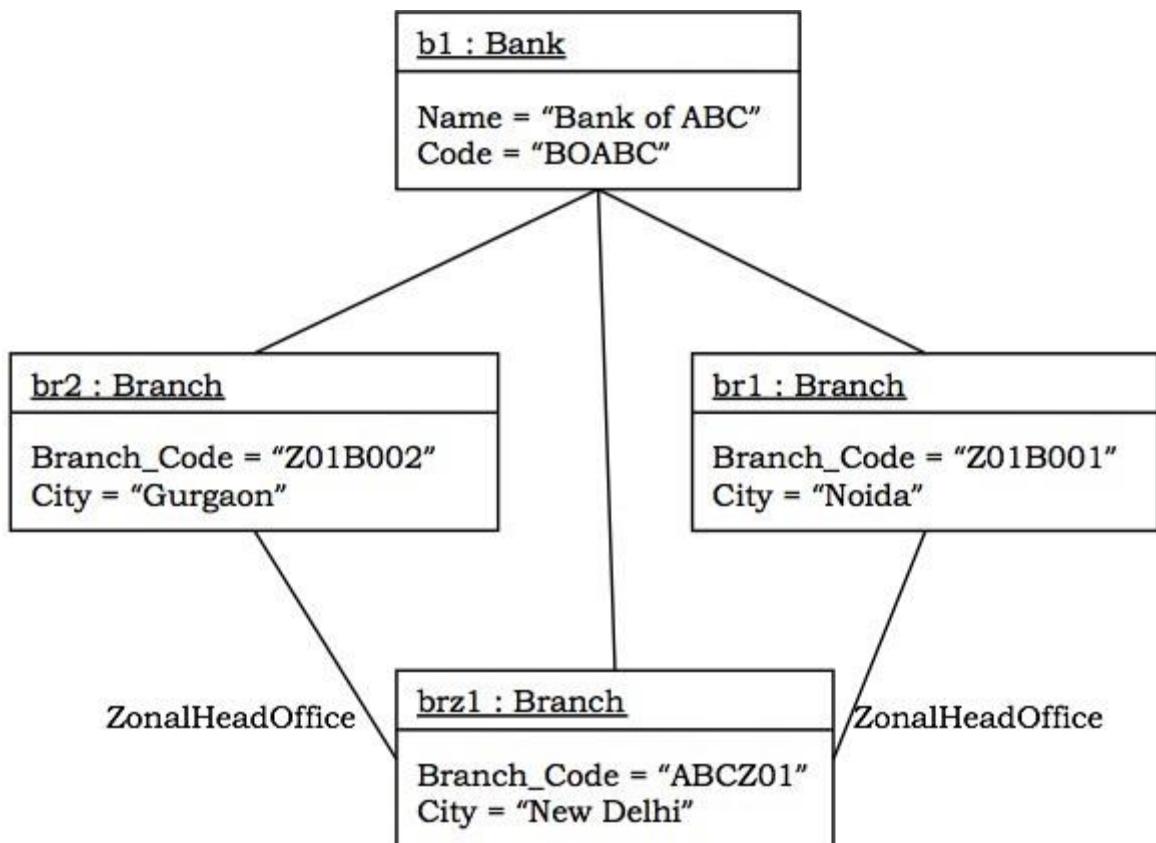
▣ Problem 2: Bank and Account Holders (Association)

Class Diagram

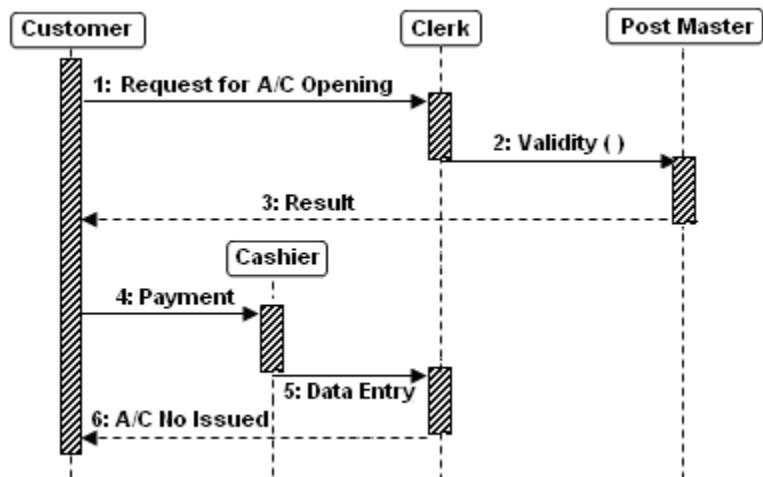


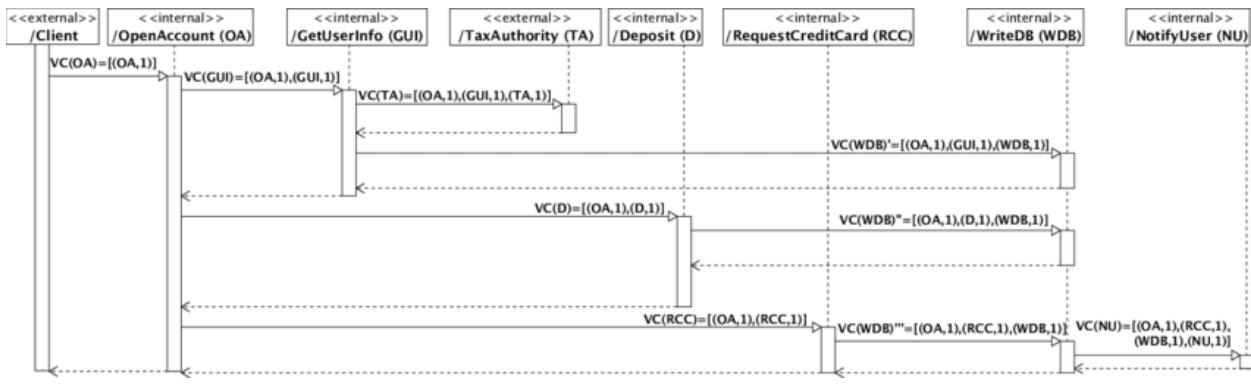


Object Diagram



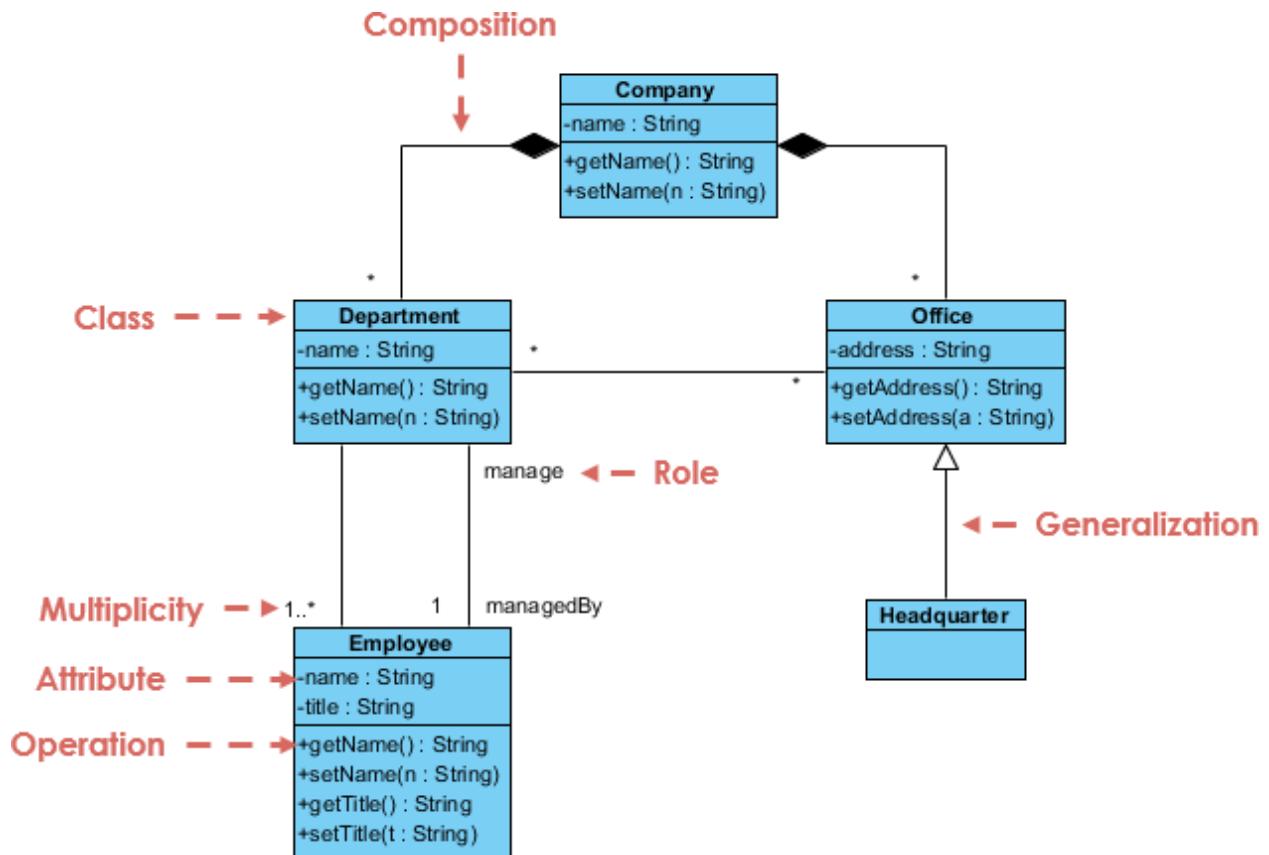
Sequence Diagram

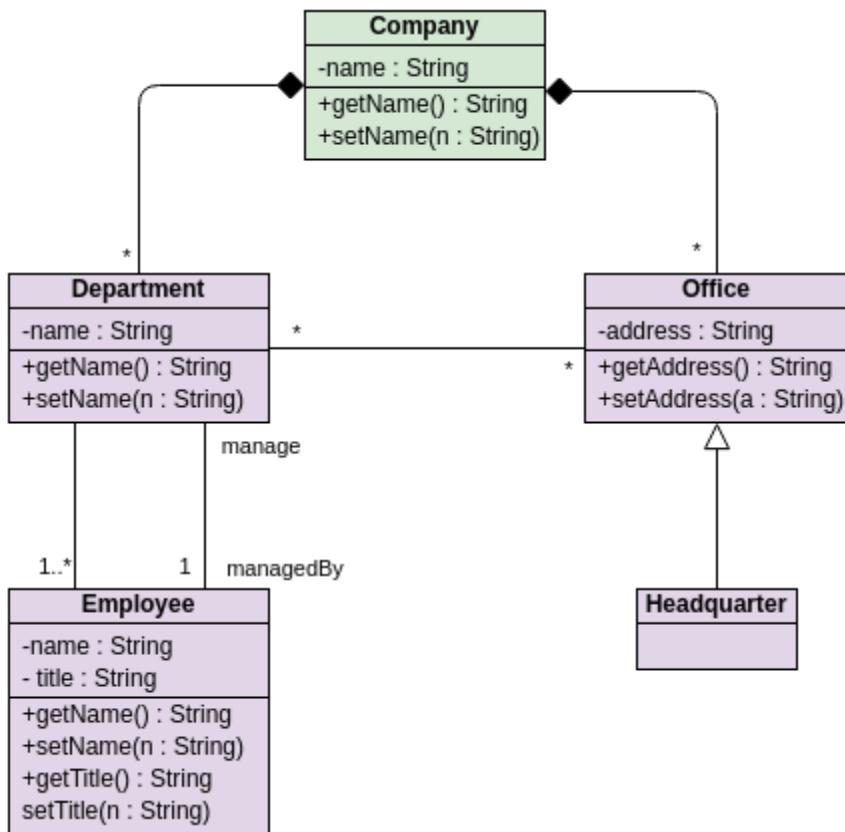




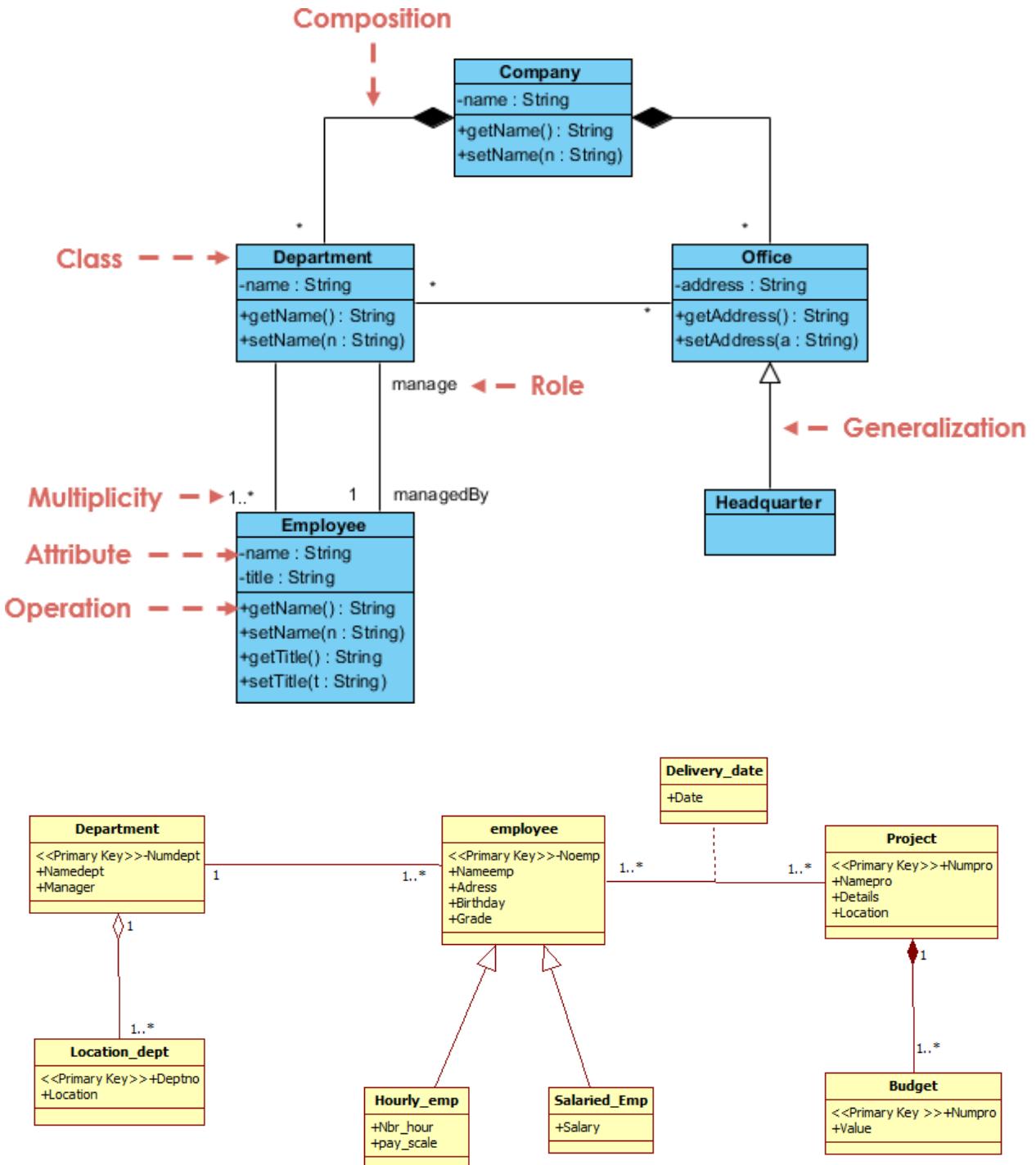
Problem 3: Company and Departments (Composition)

Class Diagram

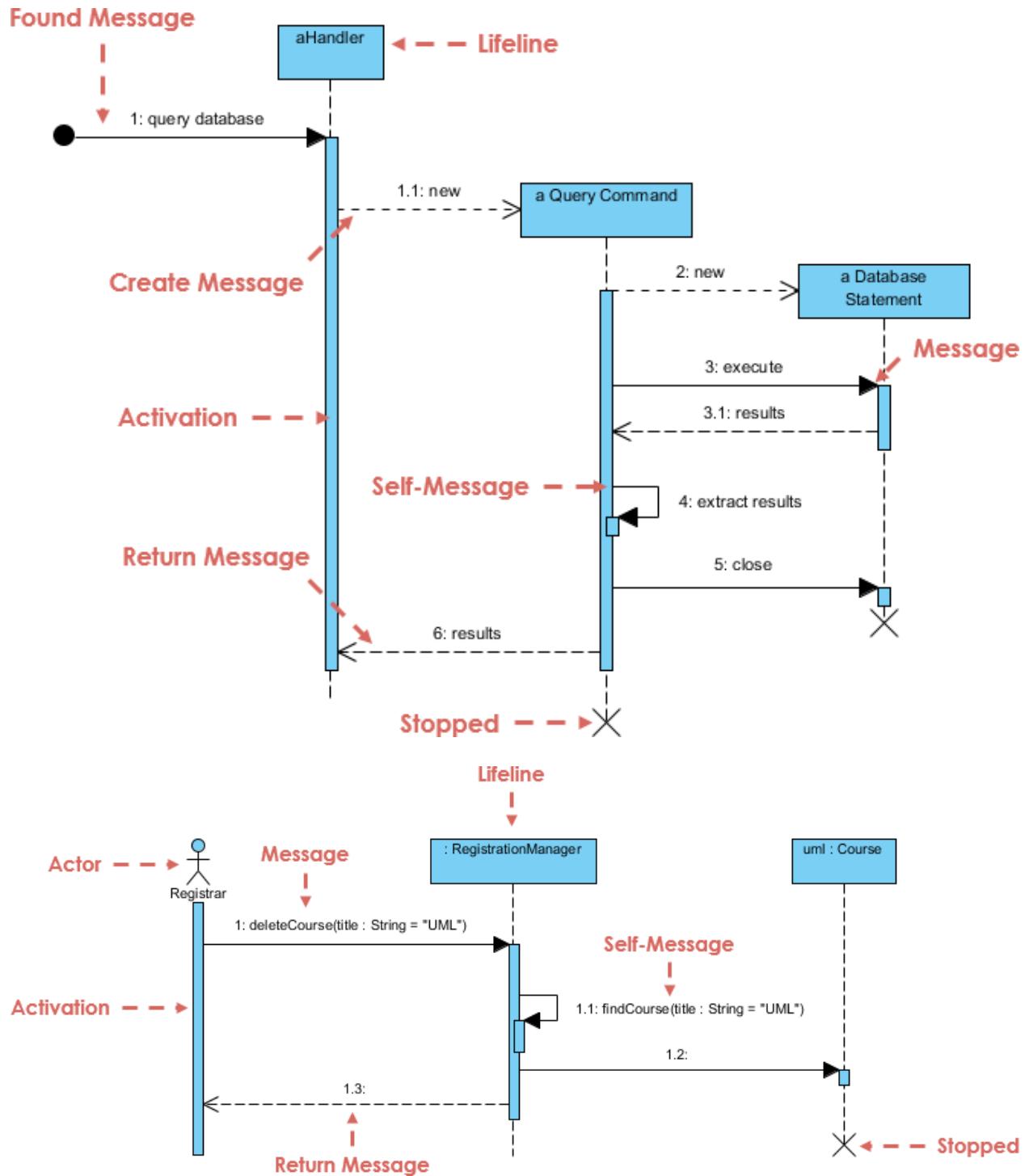




Object Diagram



Sequence Diagram

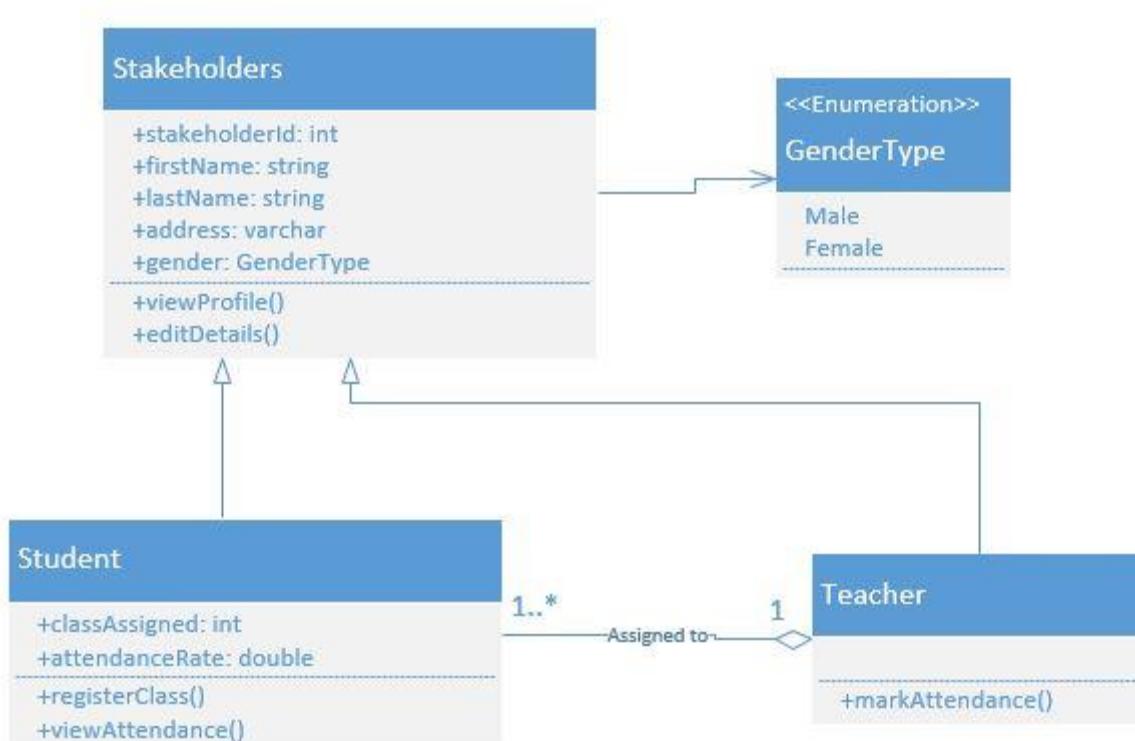


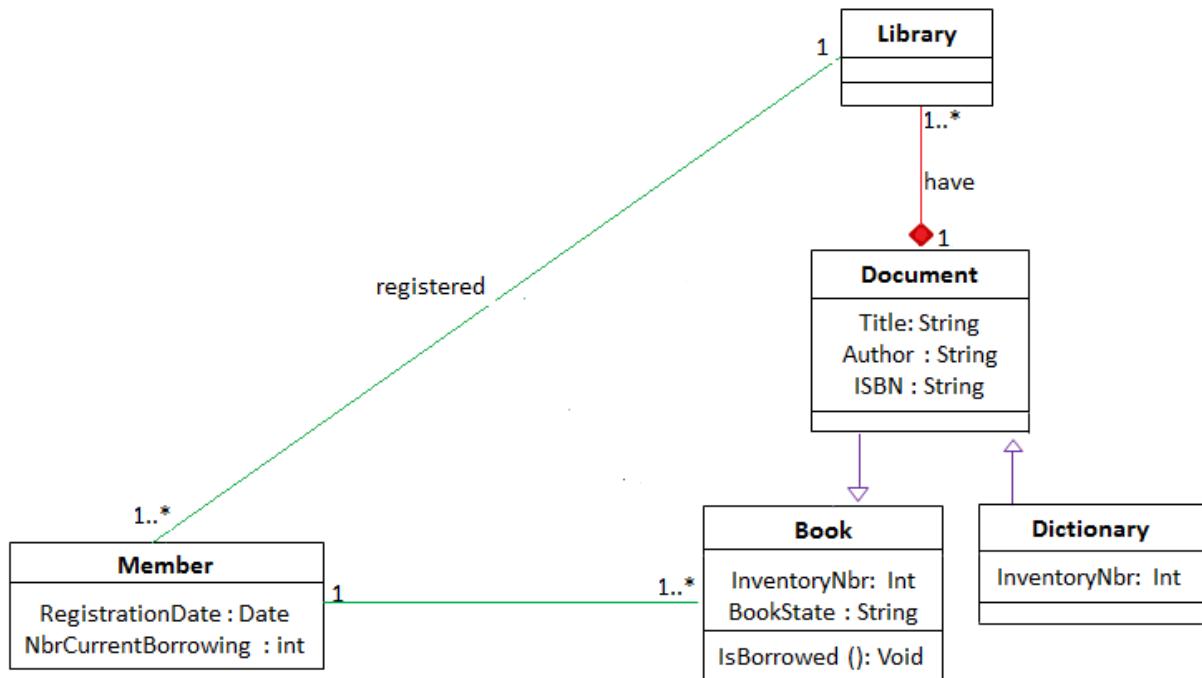
❖ Self Problems

Problem 1: School, Students & Courses

(Association + Aggregation)

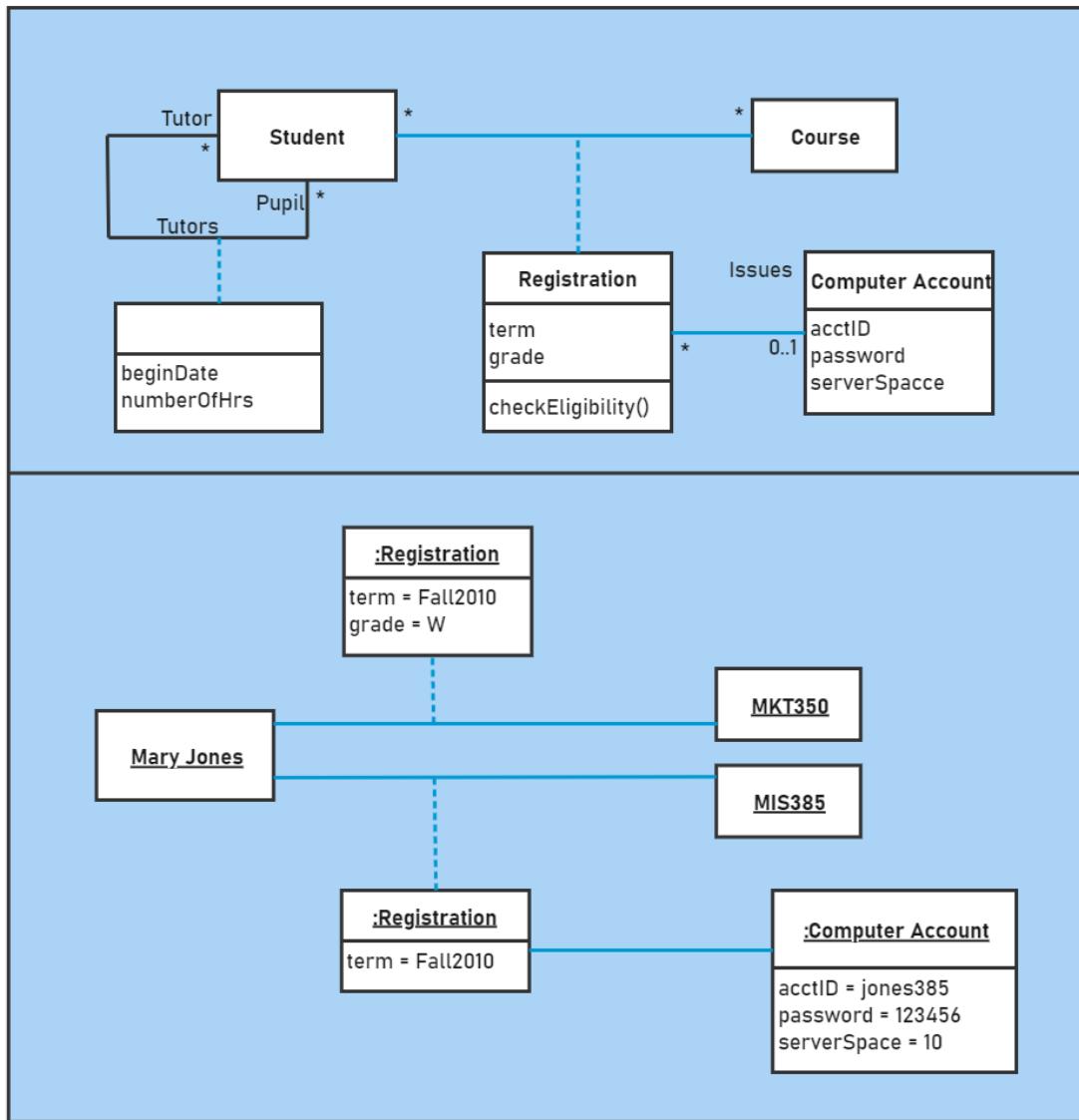
Class Diagram



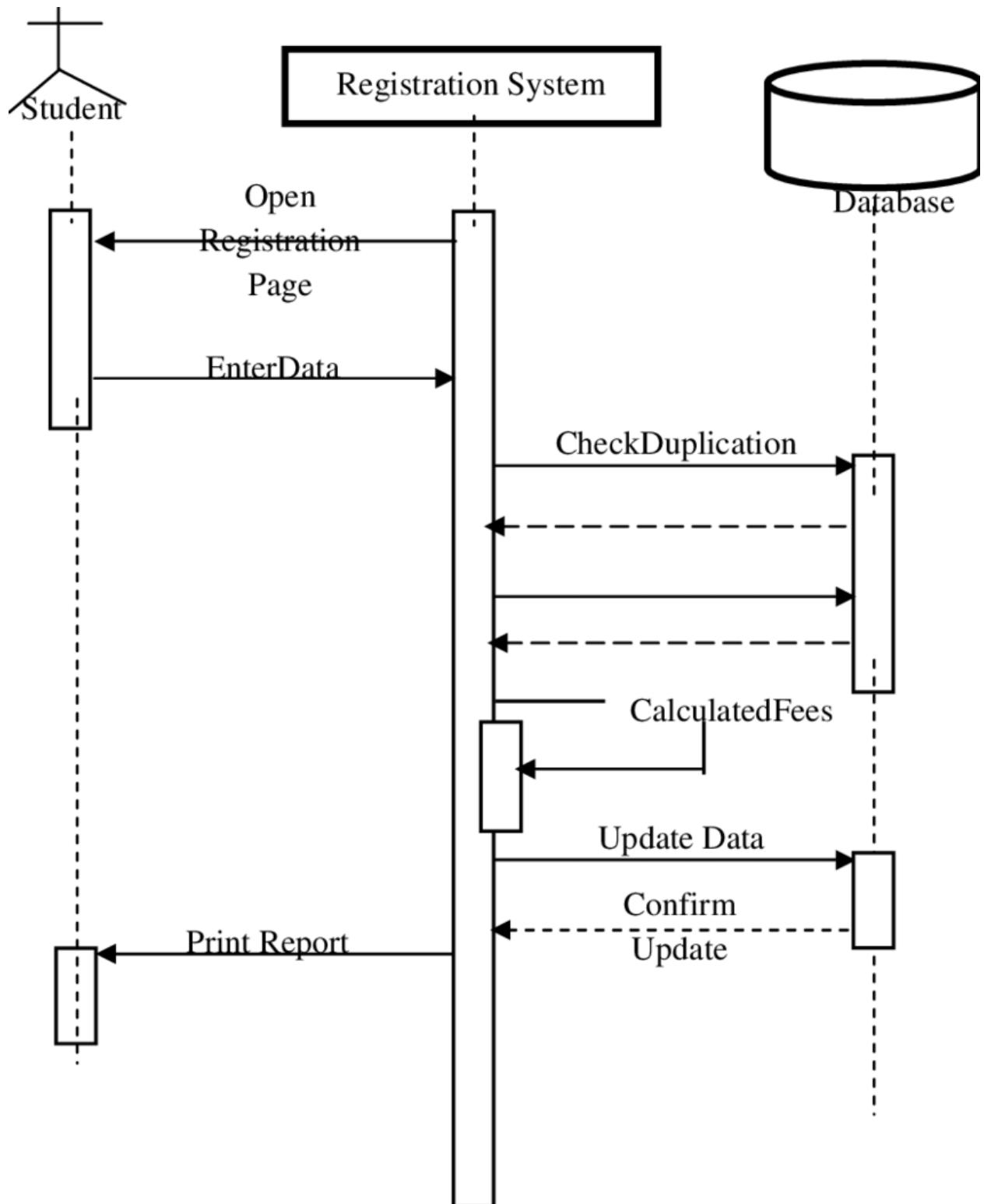


Object Diagram

Student Registration UML Diagram



Sequence Diagram

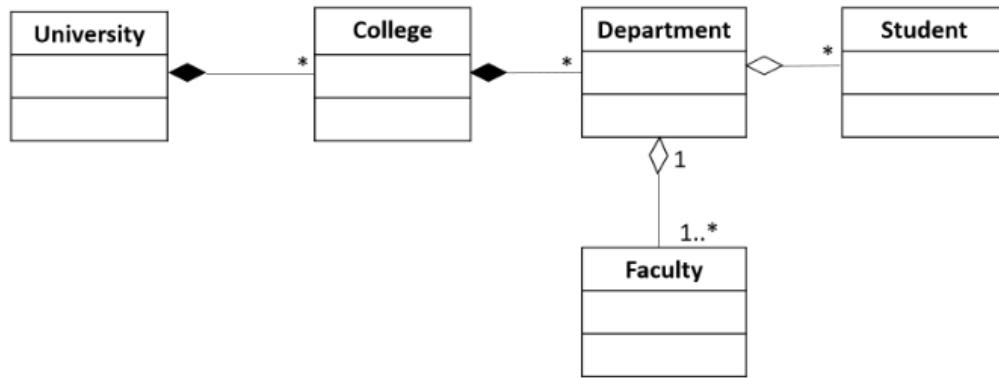


📝 Problem 2: University, Faculties & Departments

(Composition + Aggregation)

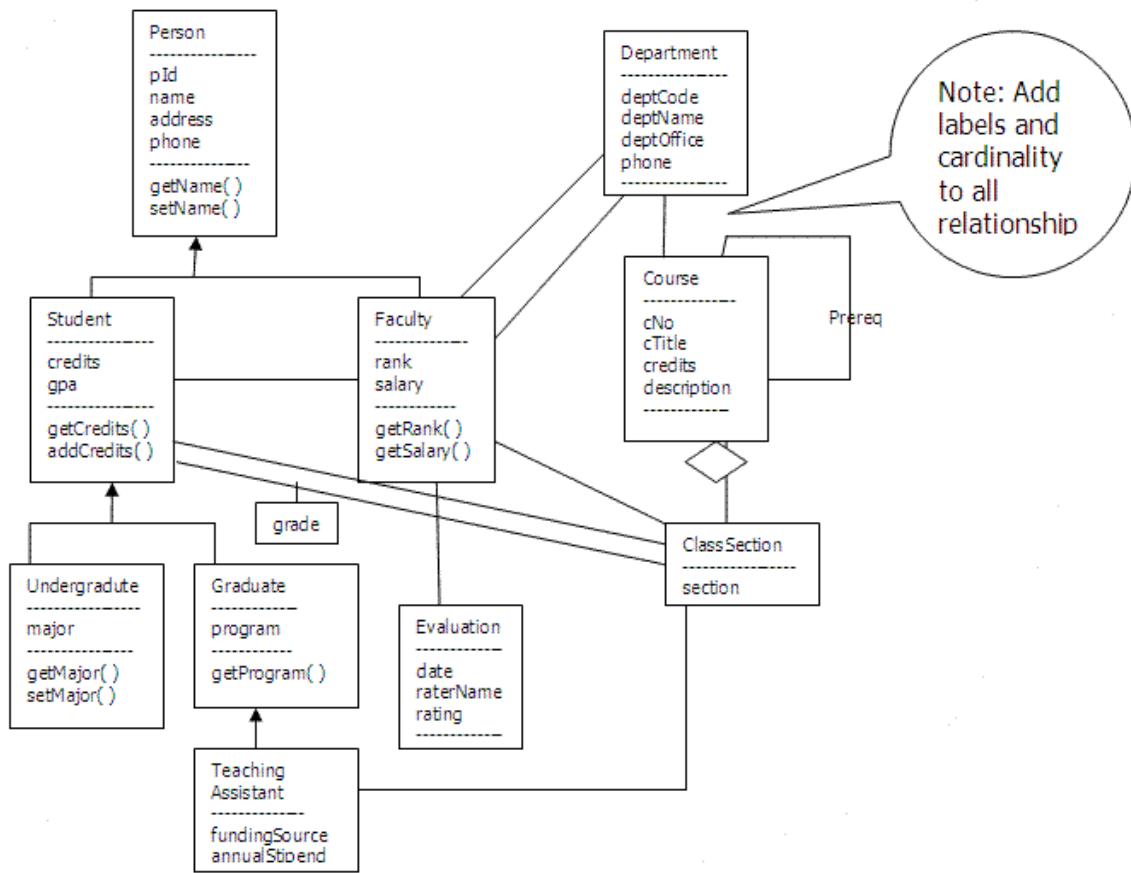
Class Diagram

Given below is UML diagrams of classes with interactions.



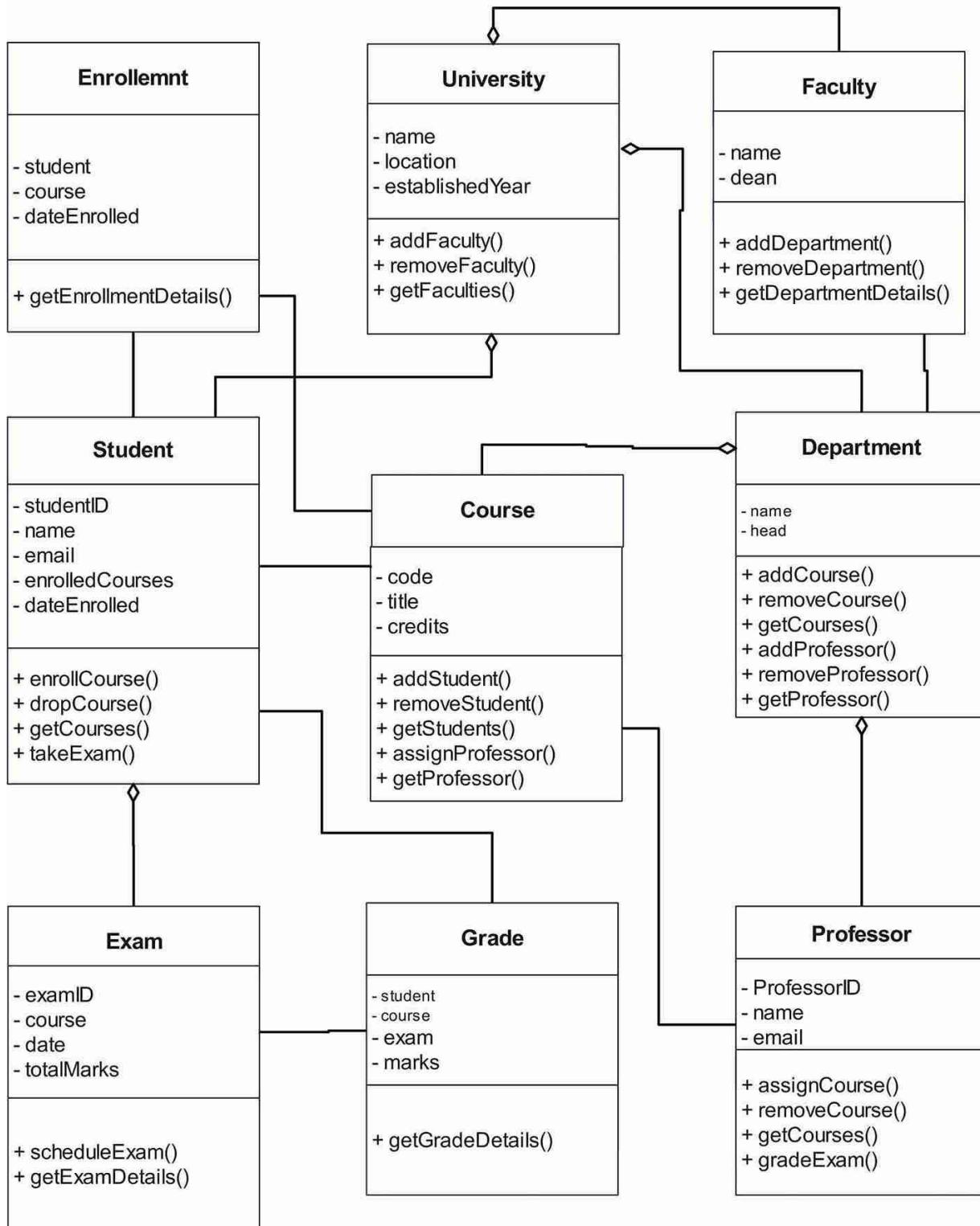
Based on the diagram, what is the relationship between Department and Student?

- Dependency (uses)
- Aggregation
- Composition
- Plain Association

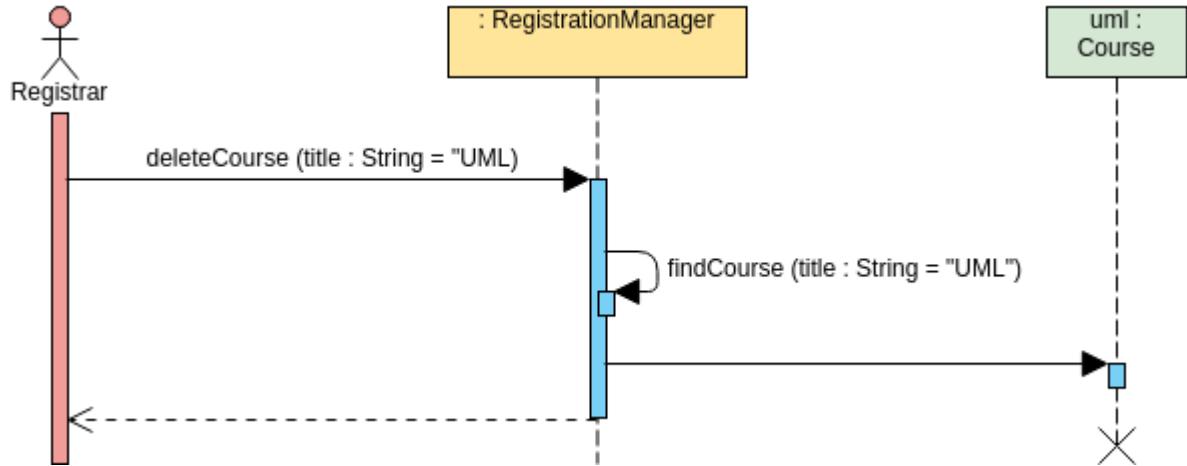


Object Diagram

Class Diagram for University Management



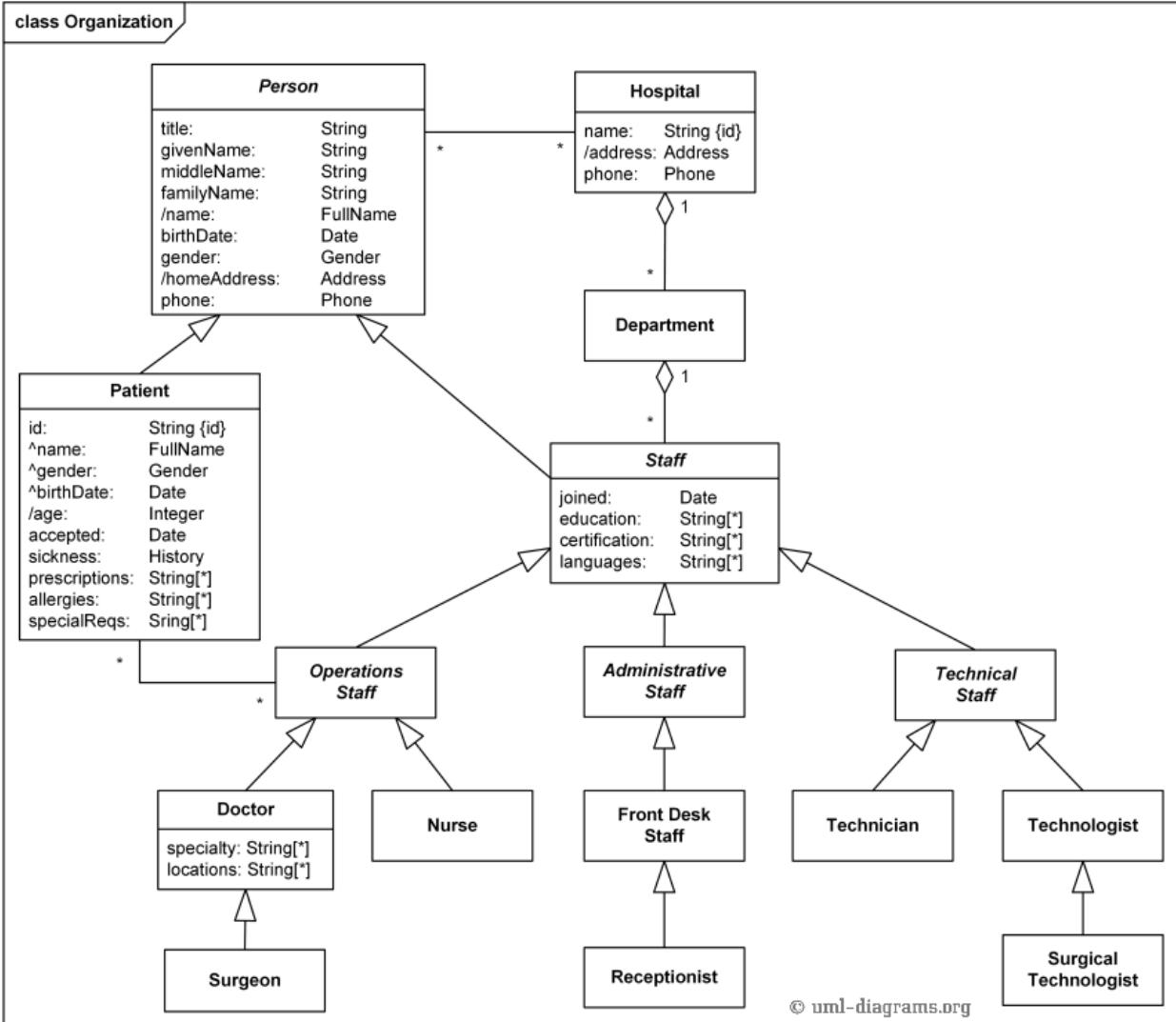
Sequence Diagram

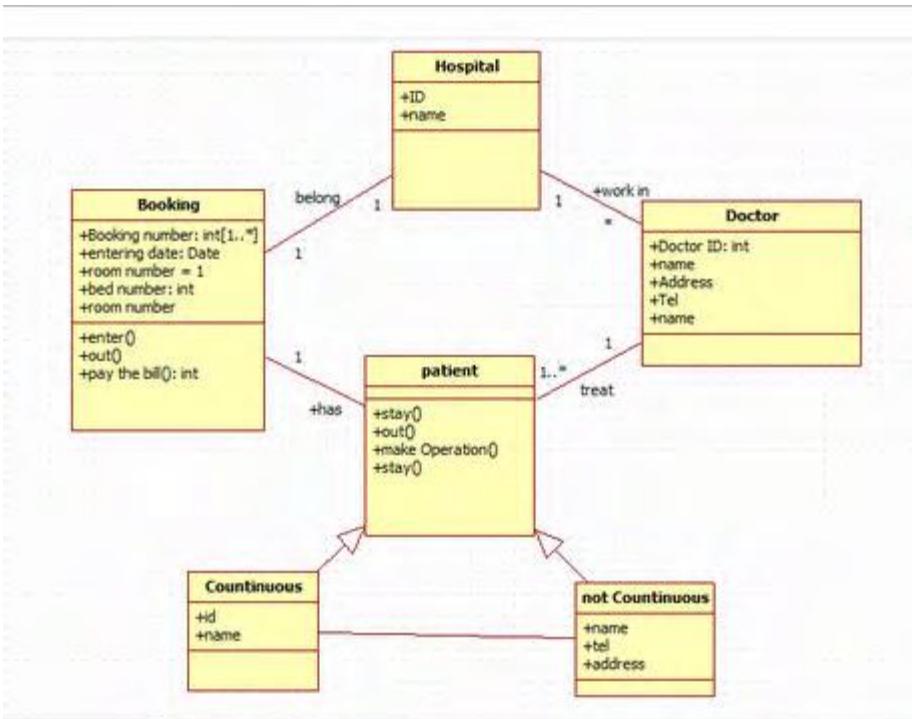


Problem 3: Hospital, Doctors & Patients

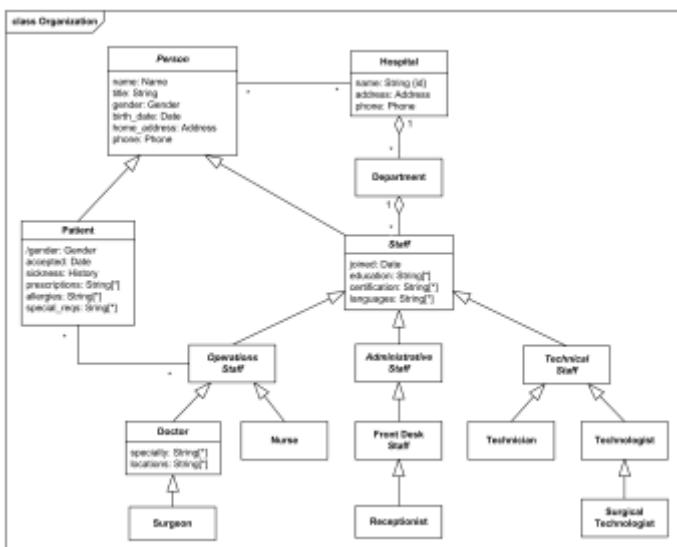
(Association + Communication)

Class Diagram

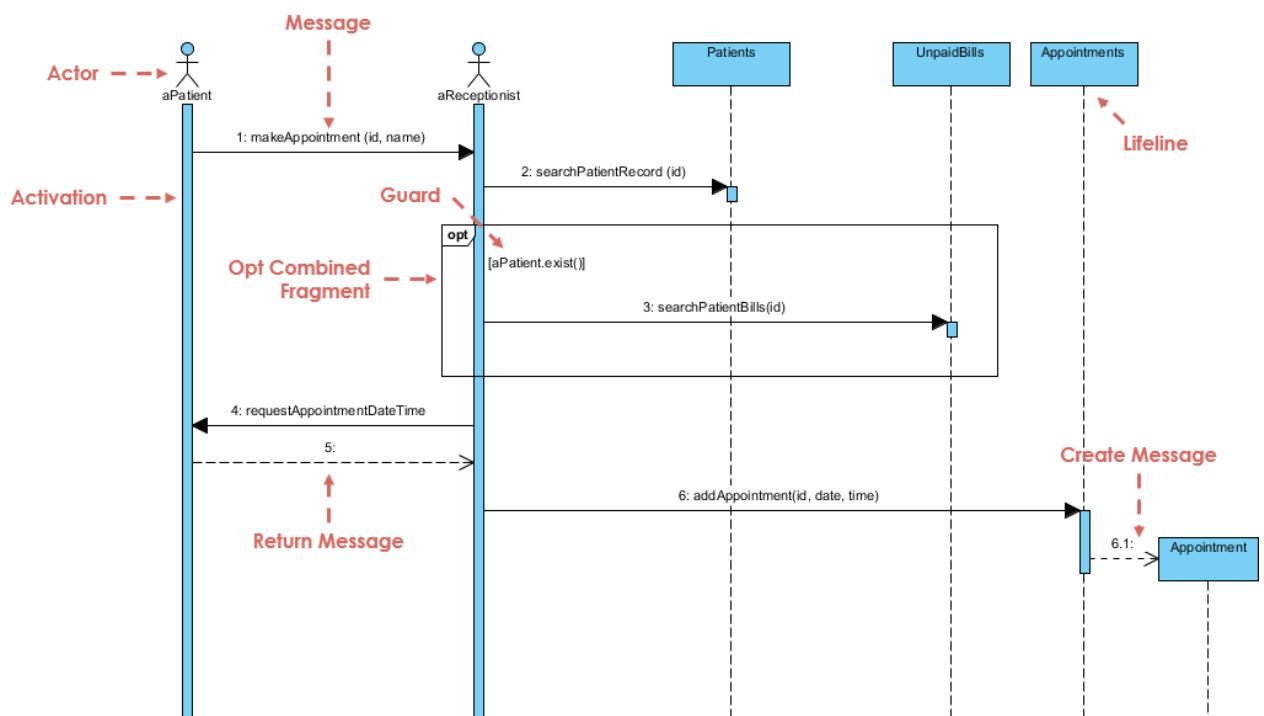
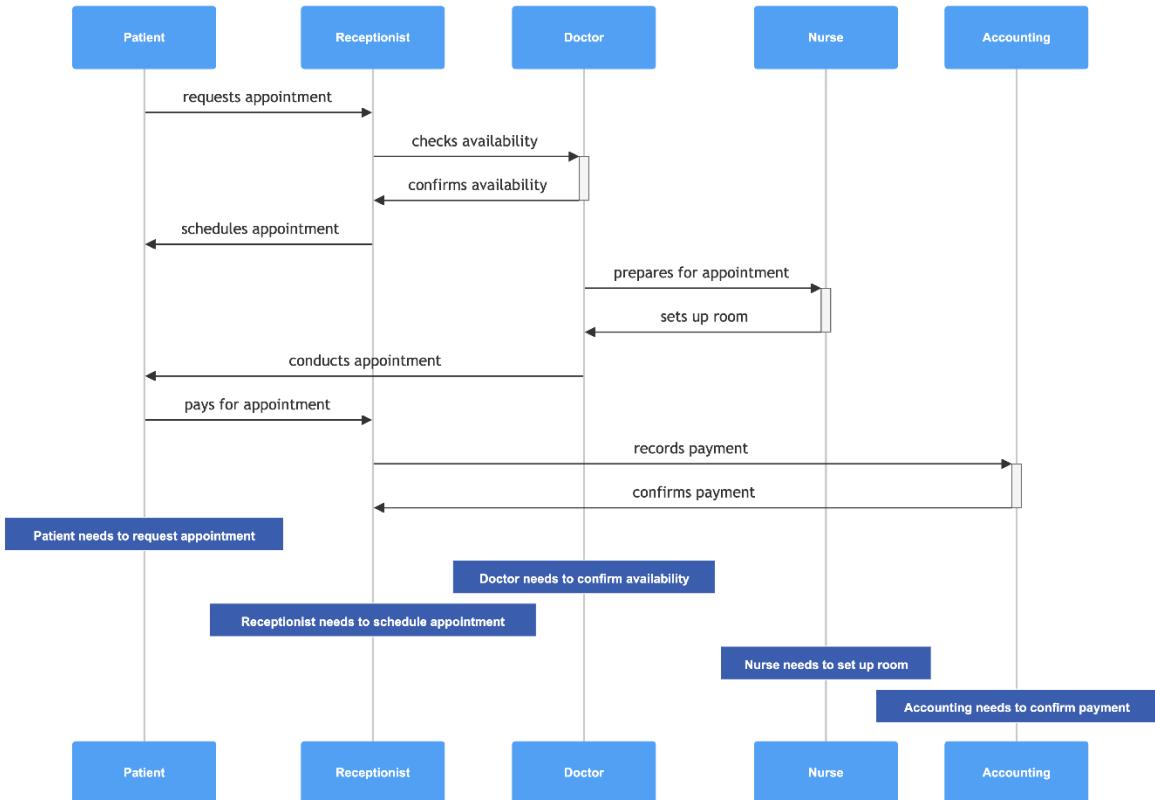




Object Diagram

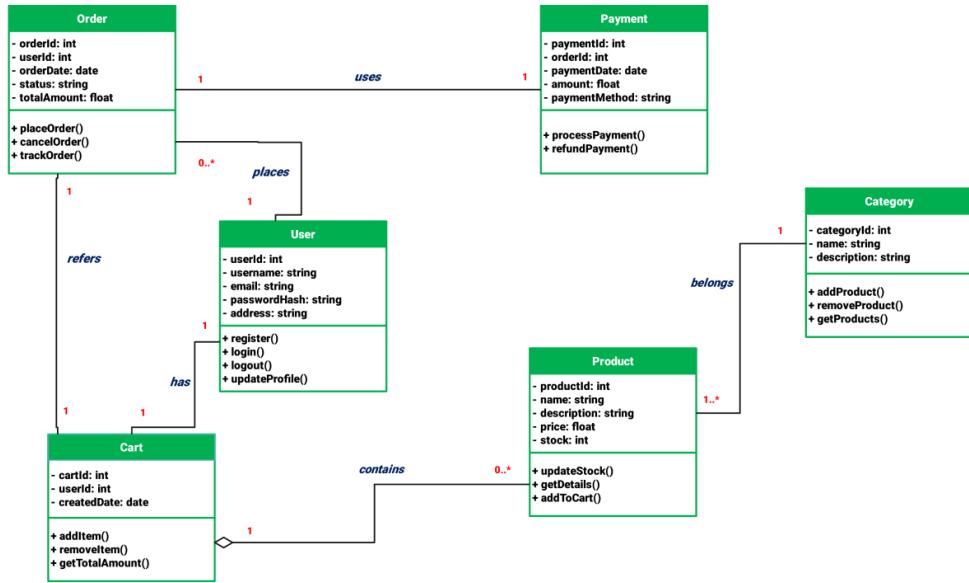


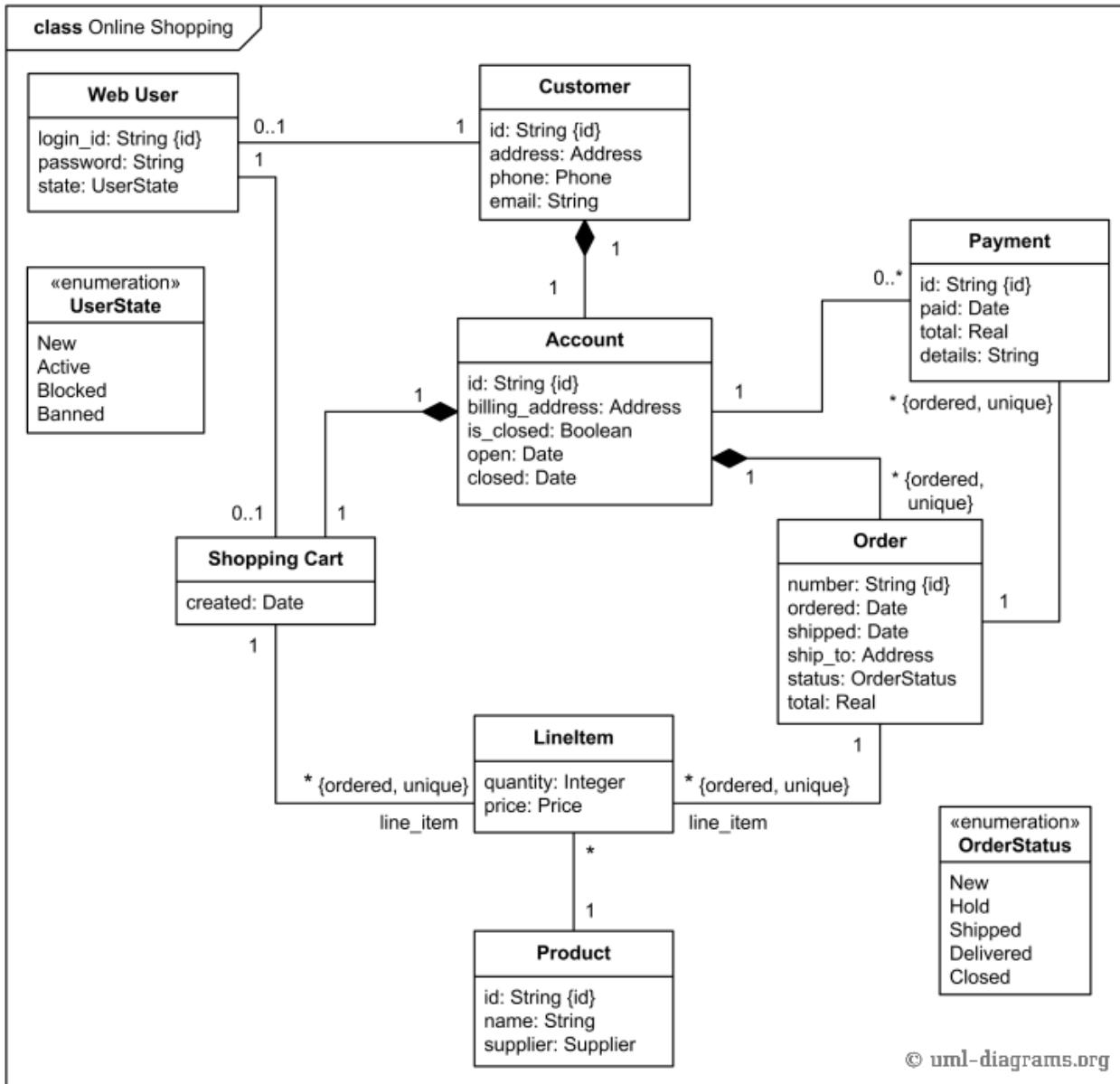
Sequence Diagram



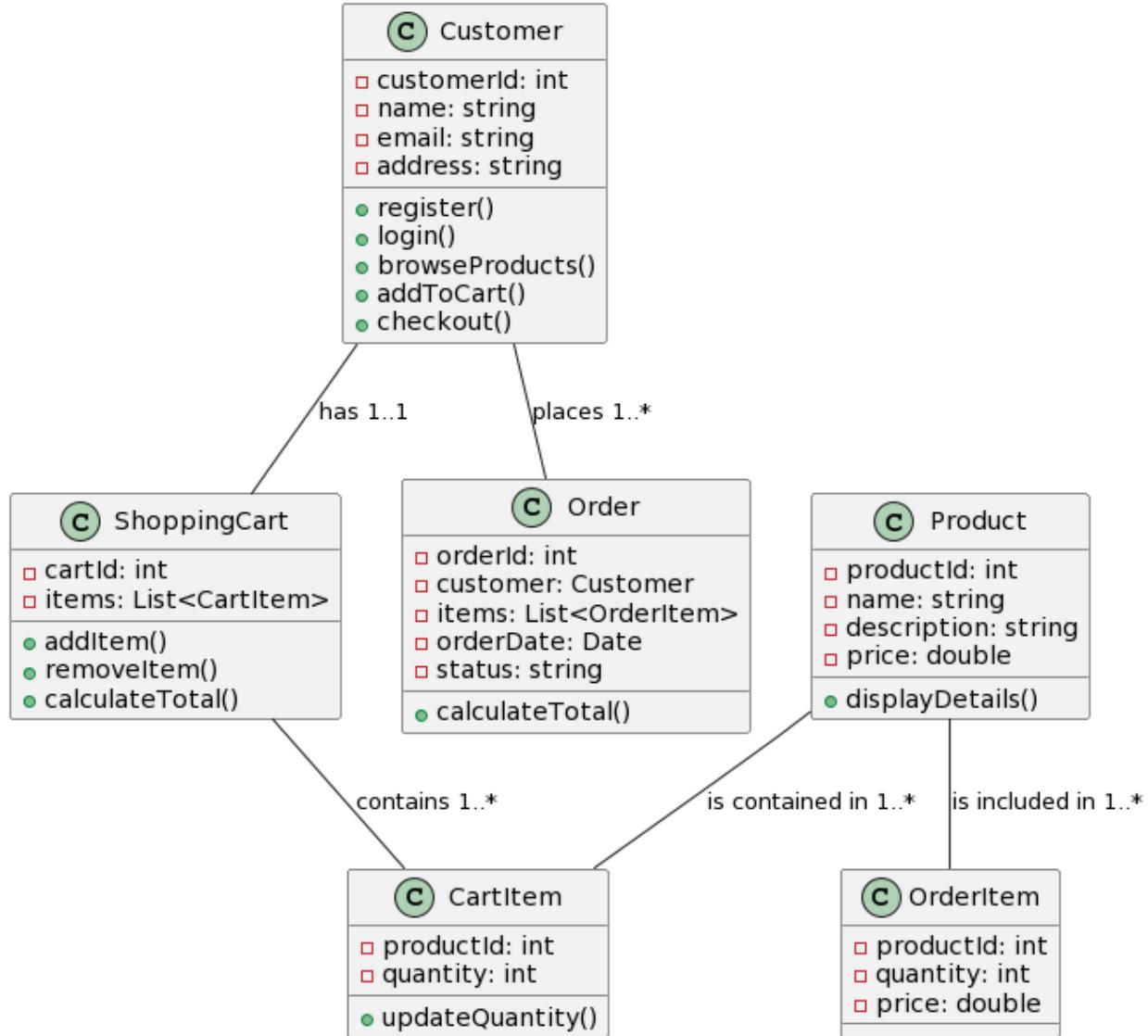
🛒 Problem 4: E-Commerce Platform

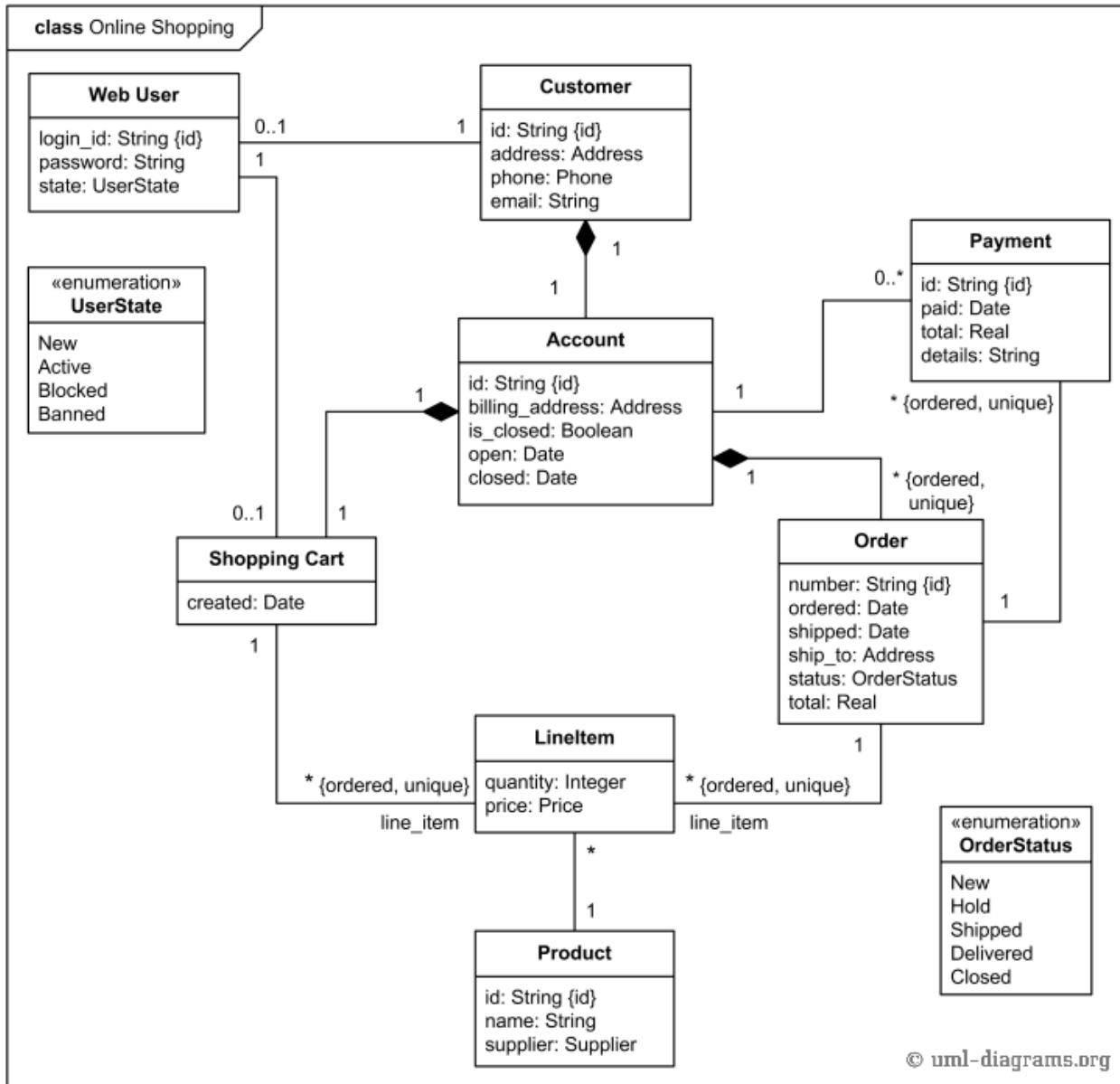
Class Diagram



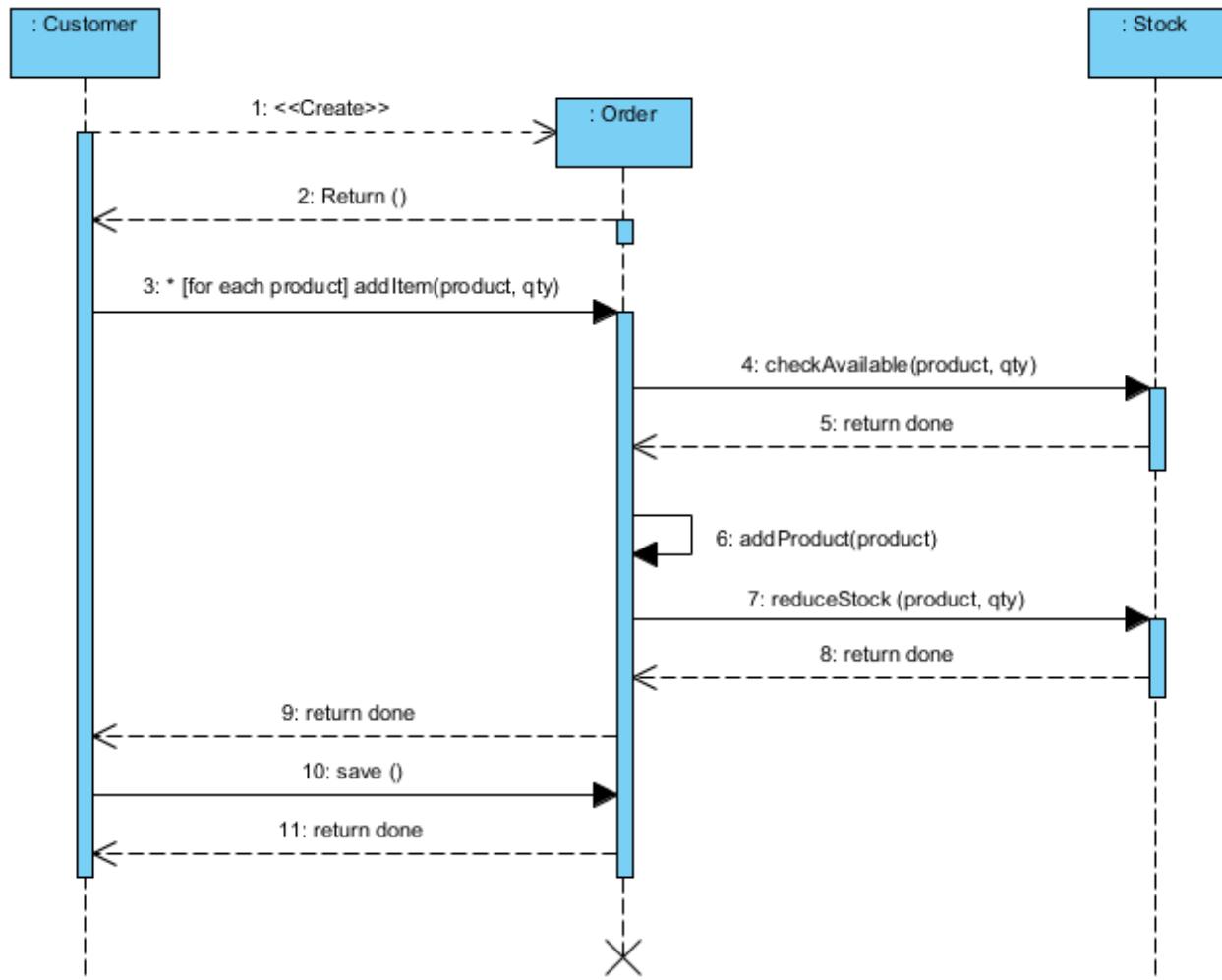


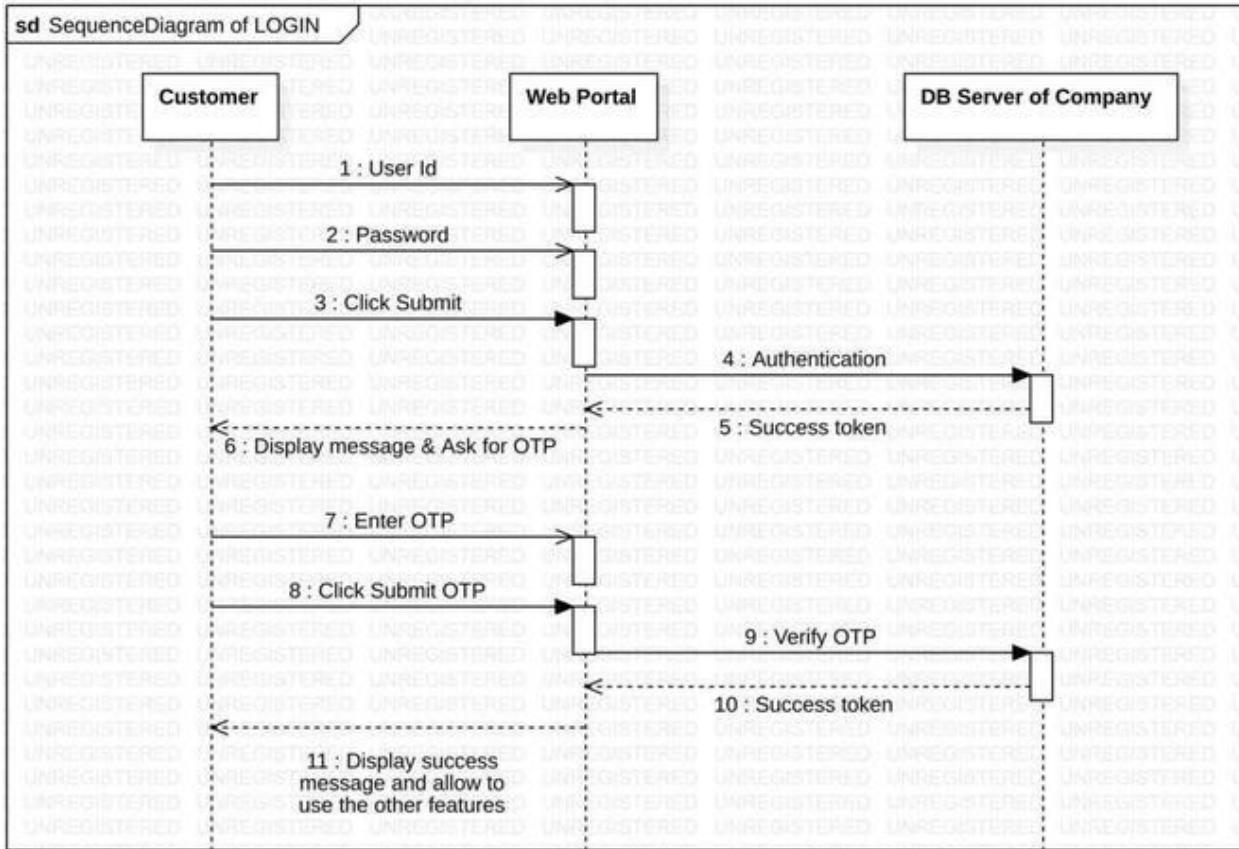
Object Diagram





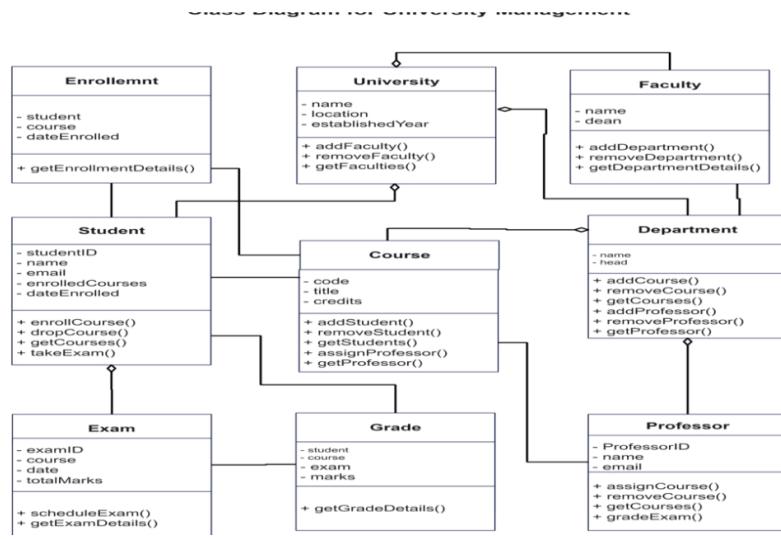
Sequence Diagram



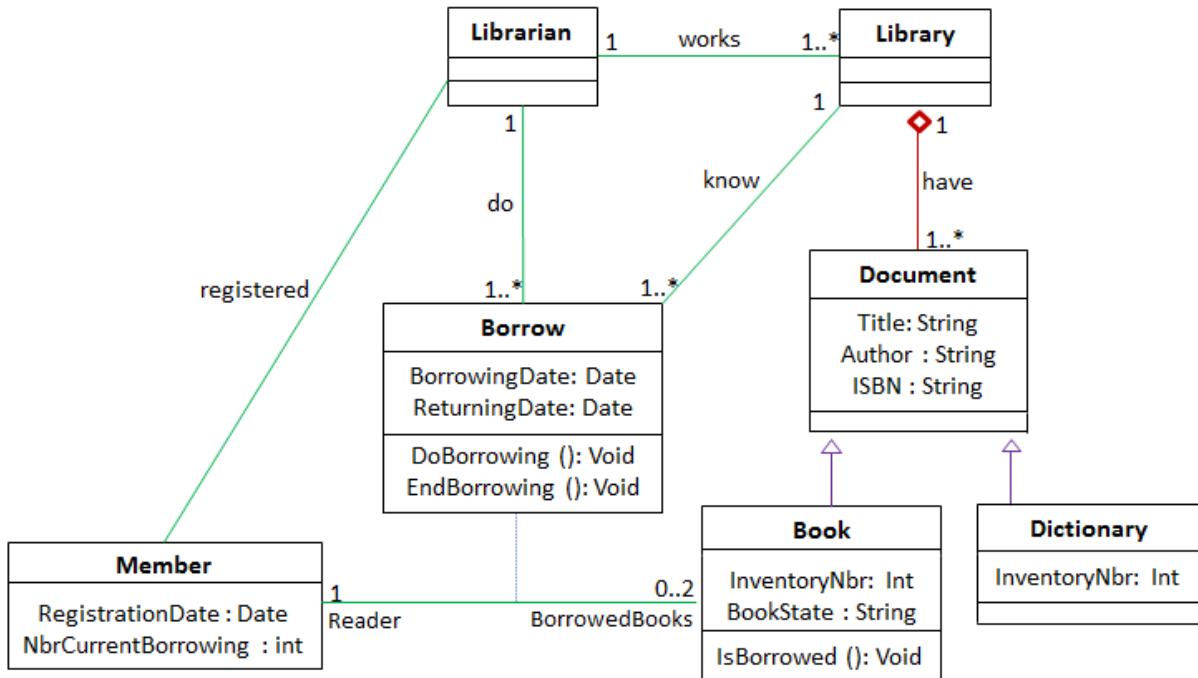


Problem 5: University Management System

Class Diagram



Object Diagram



Sequence Diagram
