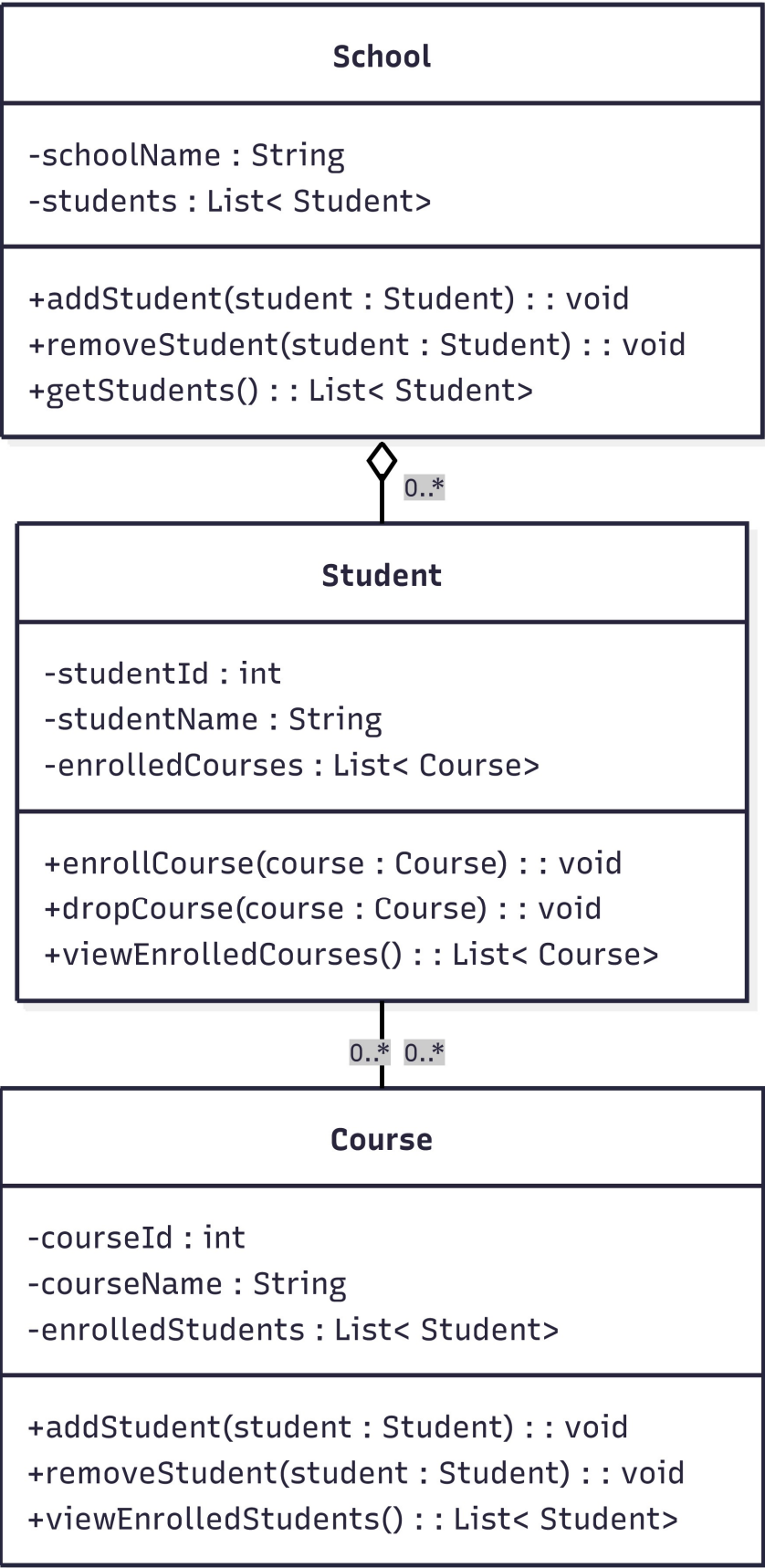
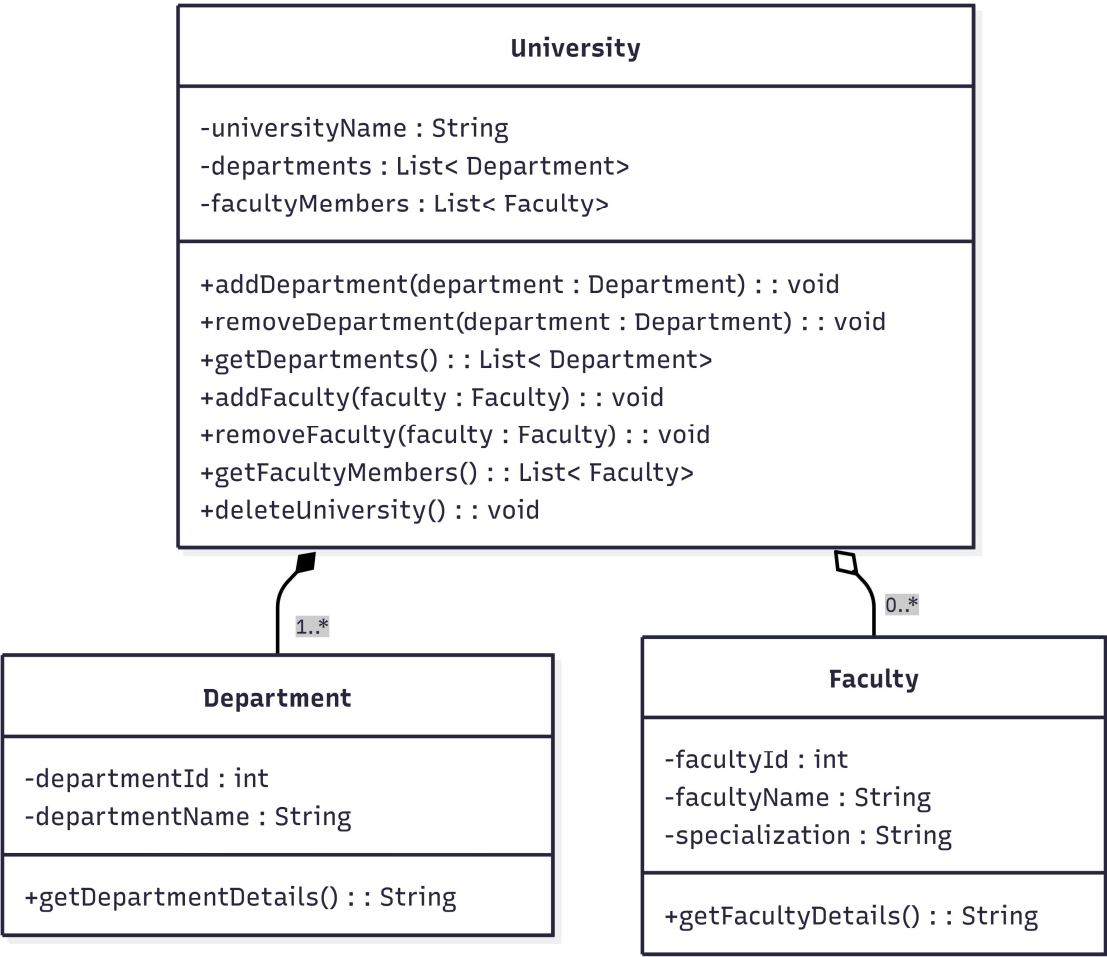


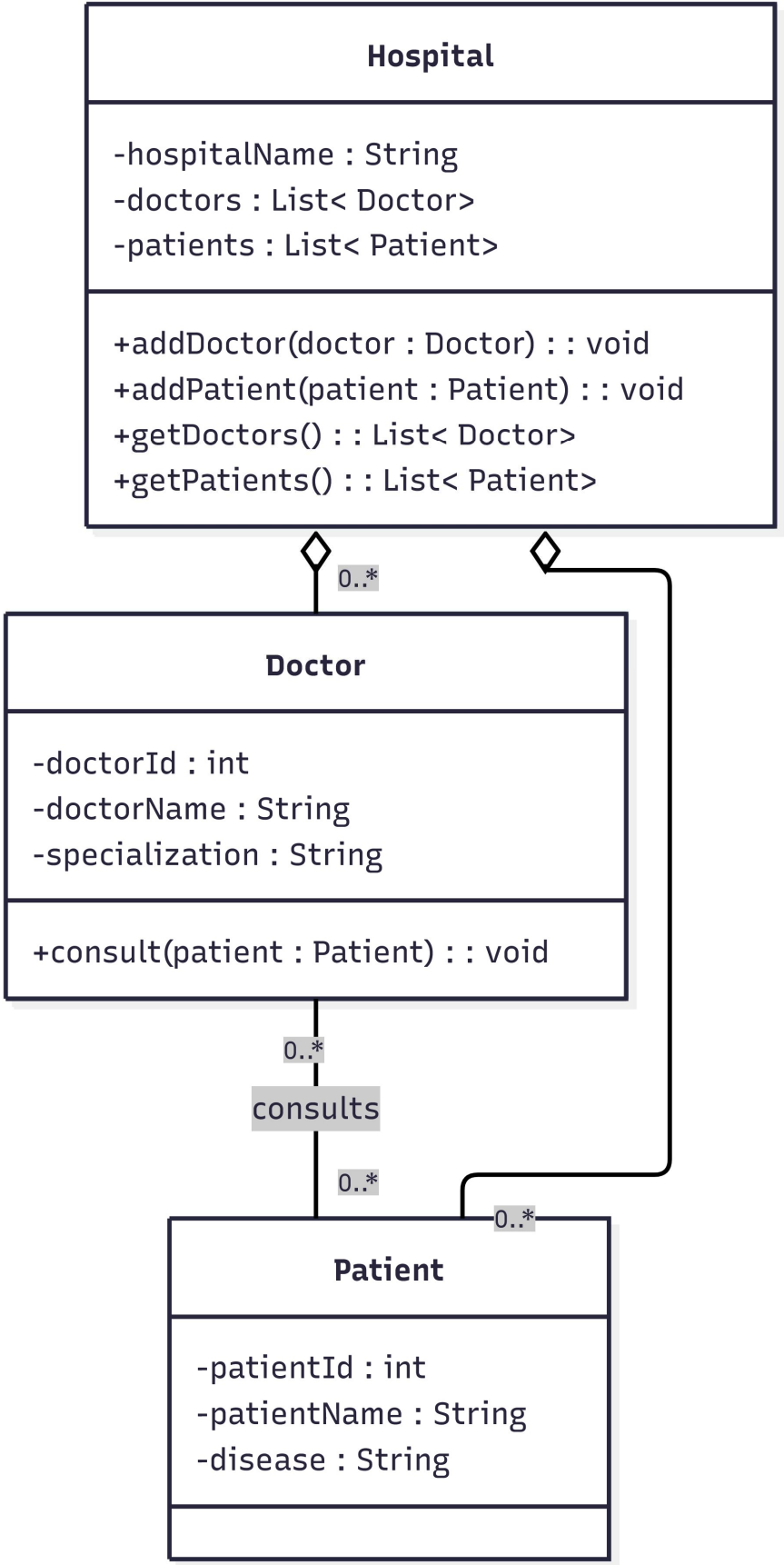
**Problem 1: School and Students with Courses (Association and Aggregation)**



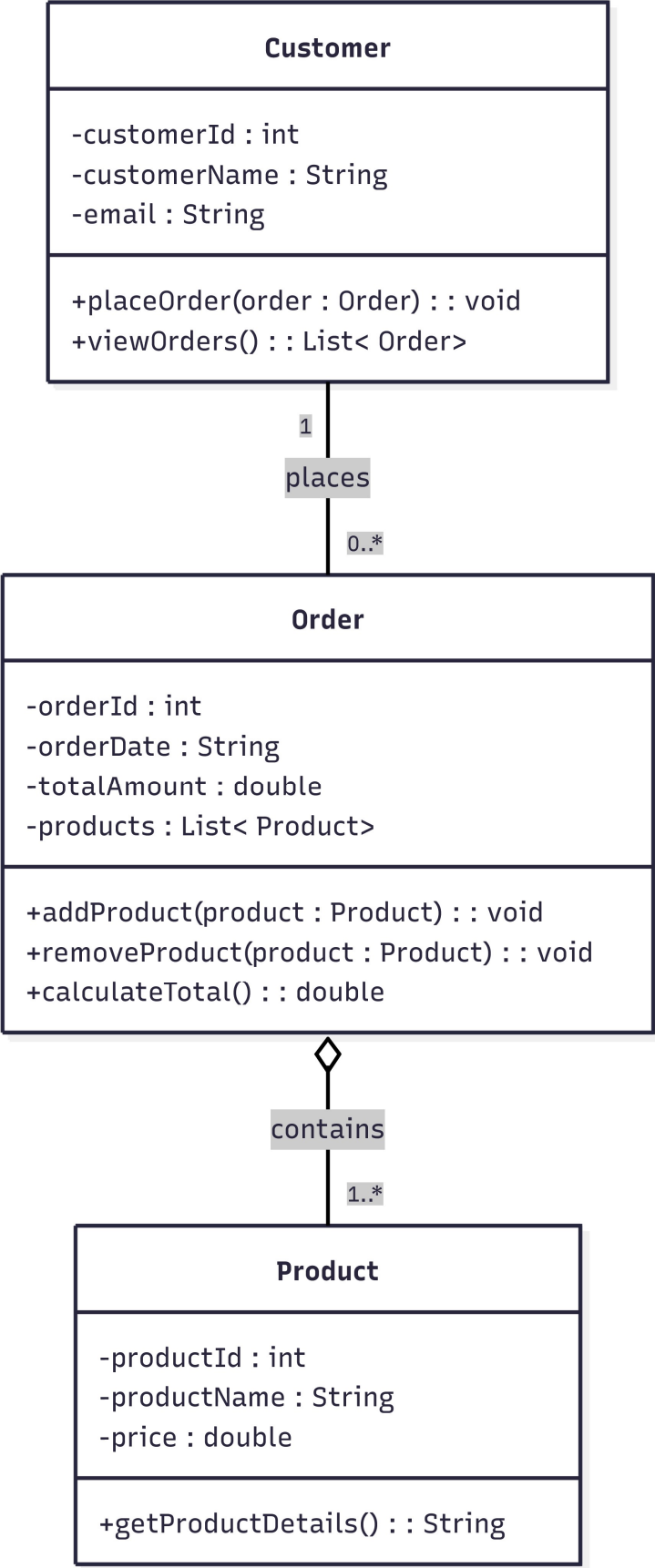
**Problem 2: University with Faculties and Departments (Composition and Aggregation)**



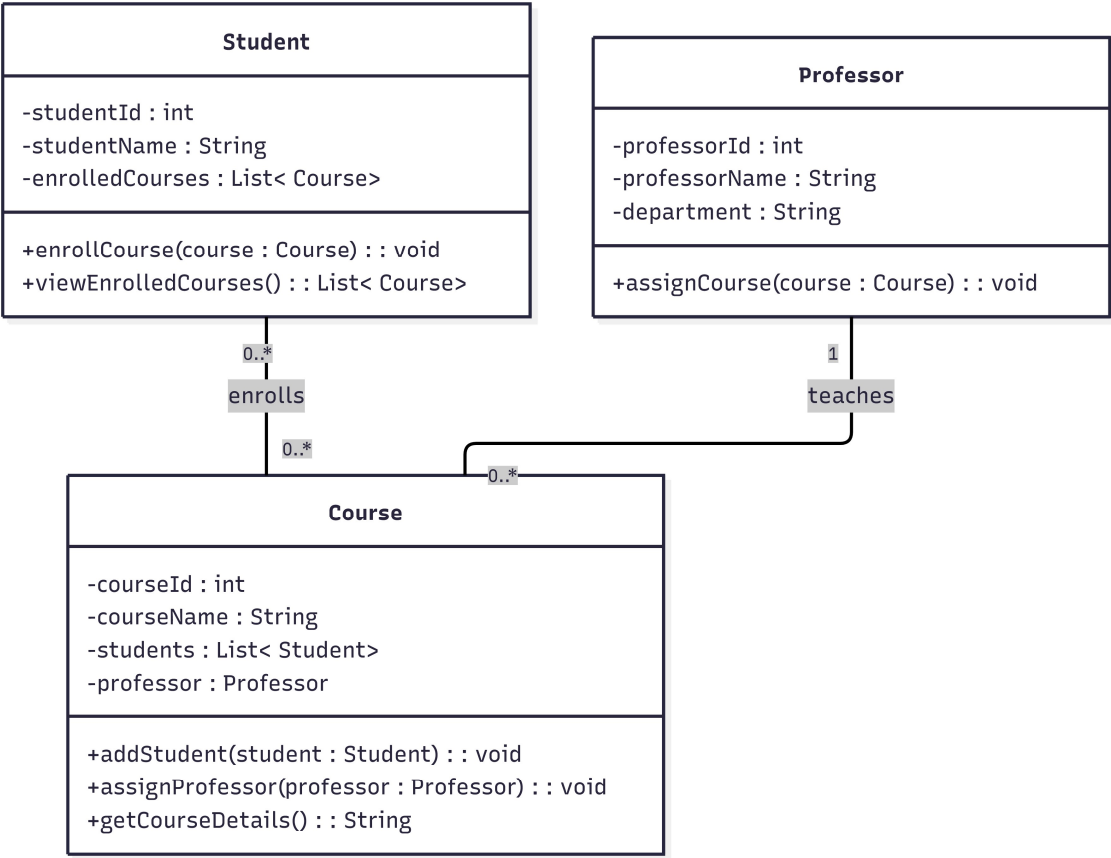
**Problem 3: Hospital, Doctors, and Patients (Association and Communication)**



**Problem 4: E-commerce Platform with Orders, Customers, and Products**

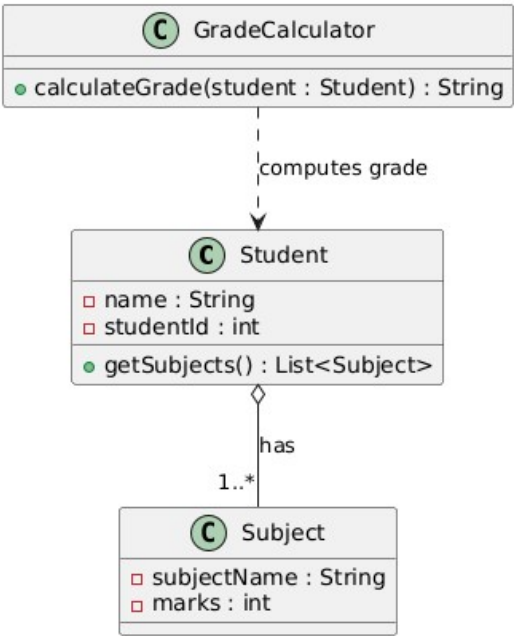


**Problem 5: University Management System**

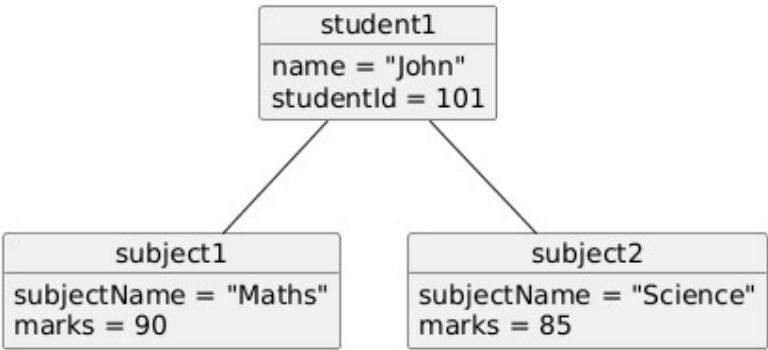


# Sample Problem 1: School Results Application

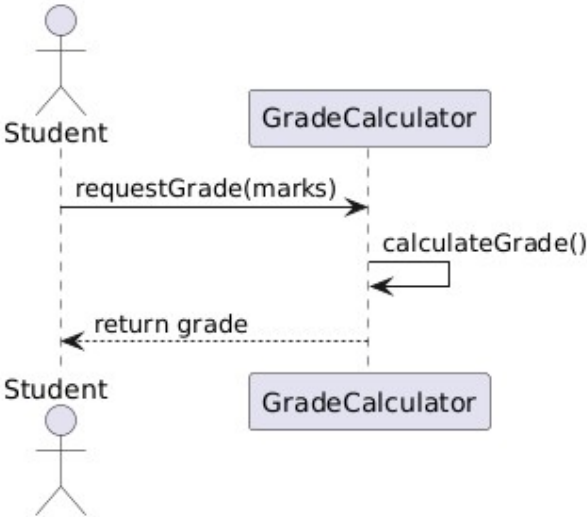
## Class Diagram



## Object Diagram

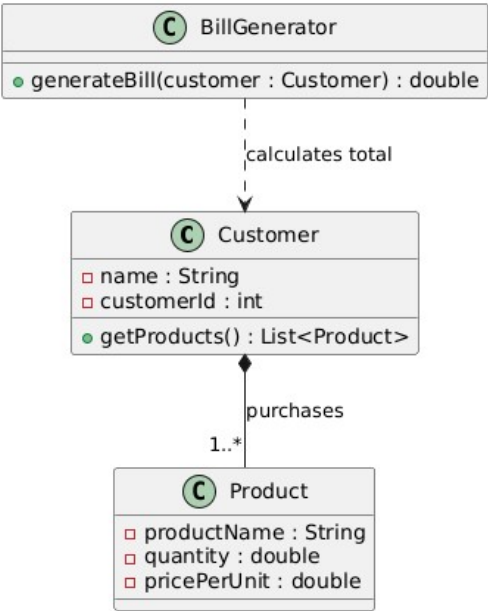


## Sequence Diagram

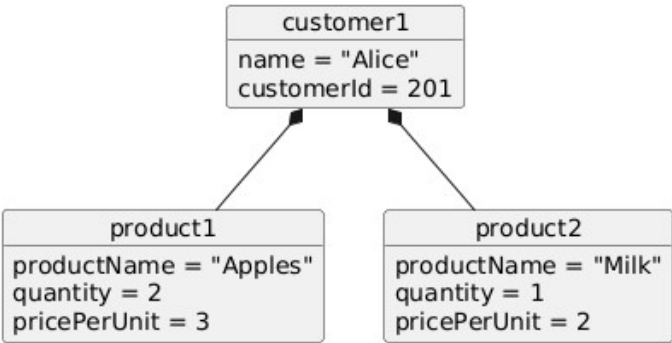


# Sample Problem 2: Grocery Store Bill Generation Application

## Class Diagram



## Object Diagram



## Sequence Diagram

