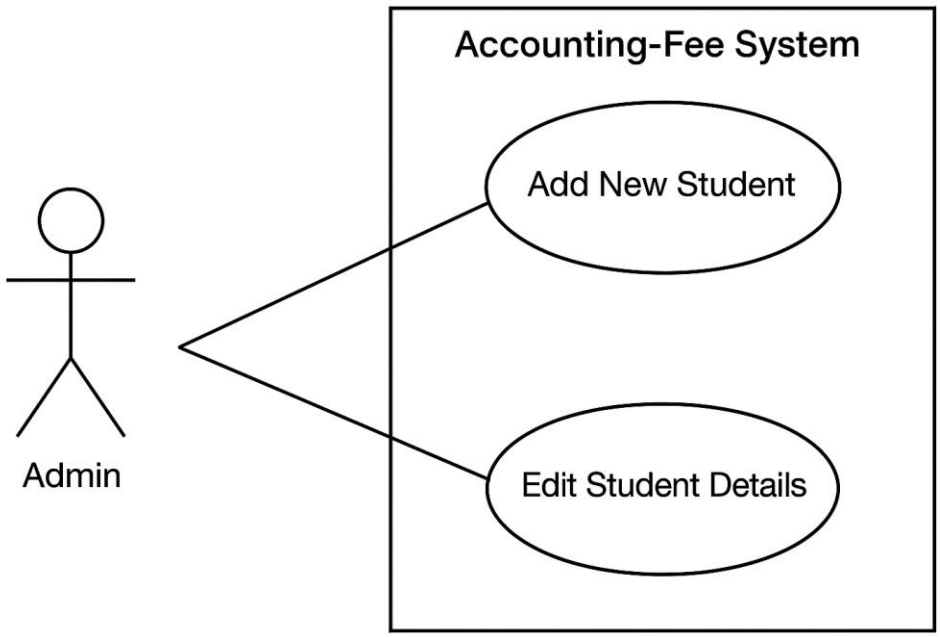
Name Hamad khan

Reg no SP23 BSE 006

Section A

Use Case



Fully Dressed Use Case

Use Case: Add New Student

- **Use Case Name**: Add New Student
- **Actor**: Admin
- **Description**: Admin adds a new student by filling out a registration form.
- **Preconditions**: Admin is logged in.
- **Postconditions**: New student is added to the system.

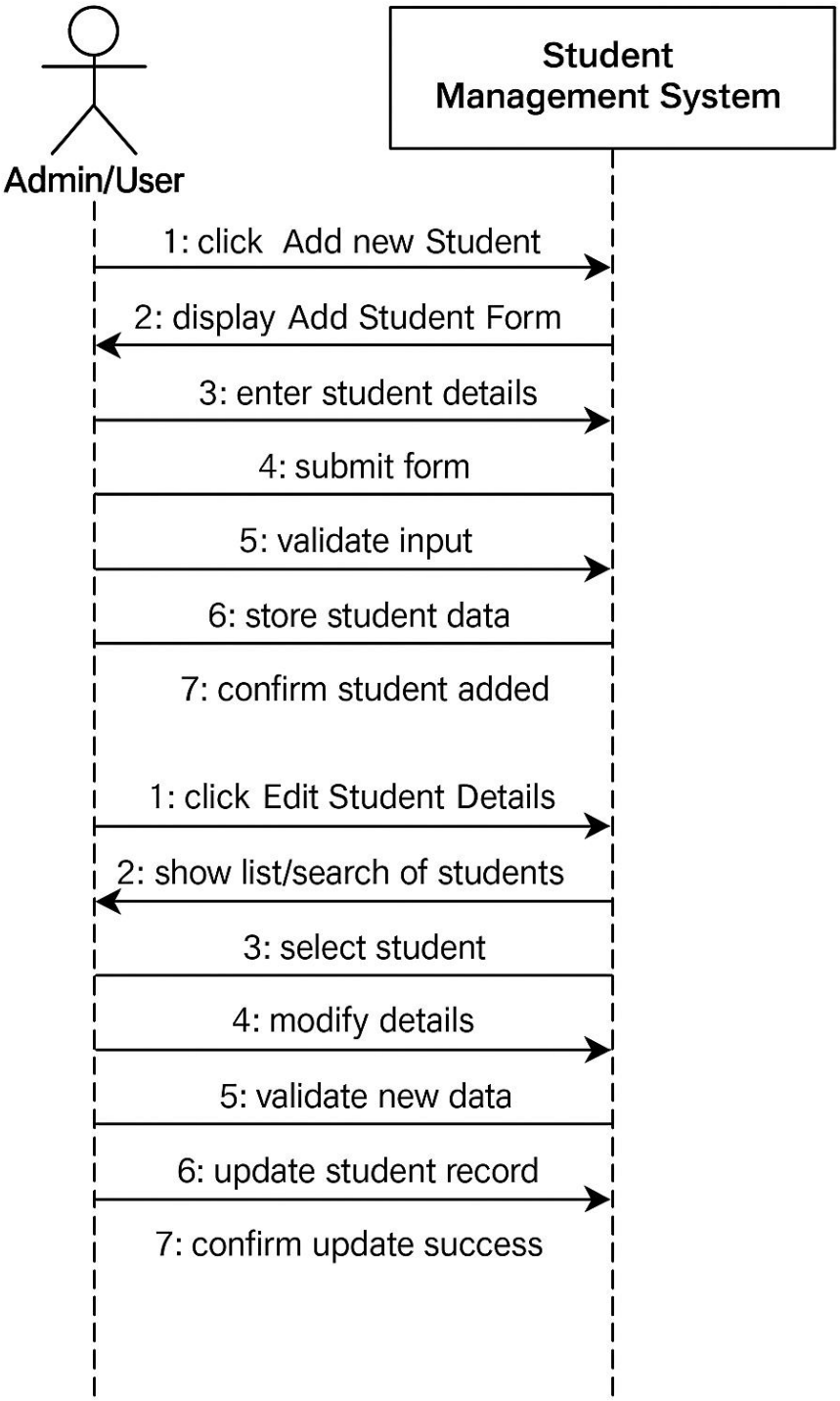
- **Main Success Scenario**:
    1. Admin selects "Add New Student"
    2. System shows student form
    3. Admin fills in student details
    4. Admin clicks "Submit"
    5. System validates and saves data
    6. Confirmation is shown
- **Extensions (Alternate Paths)**:
    - 3a. Invalid input → Show error message
    - 5a. Database error → Show system error

Use Case: Edit Student Details

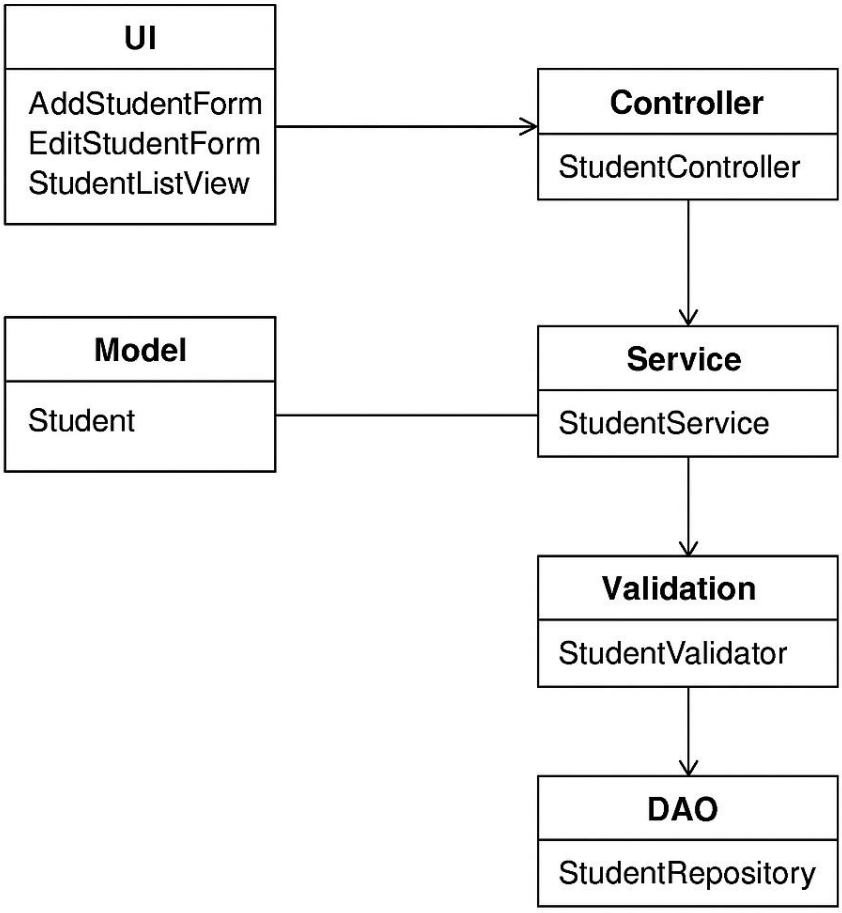
- **Use Case Name**: Edit Student Details
- **Actor**: Admin
- **Description**: Admin updates existing student information.
- **Preconditions**: Student exists in database
- **Postconditions**: Student data is updated successfully
- **Main Success Scenario**:
    1. Admin selects "Edit Student"
    2. System displays list/search option
    3. Admin selects a student
    4. System shows editable student form
    5. Admin updates fields
    6. Admin clicks "Save"
    7. System updates and shows confirmation
- **Extensions (Alternate Paths)**:
    - 2a. Student not found → Show error

- 6a. Invalid data → Show error

System Sequence Diagram

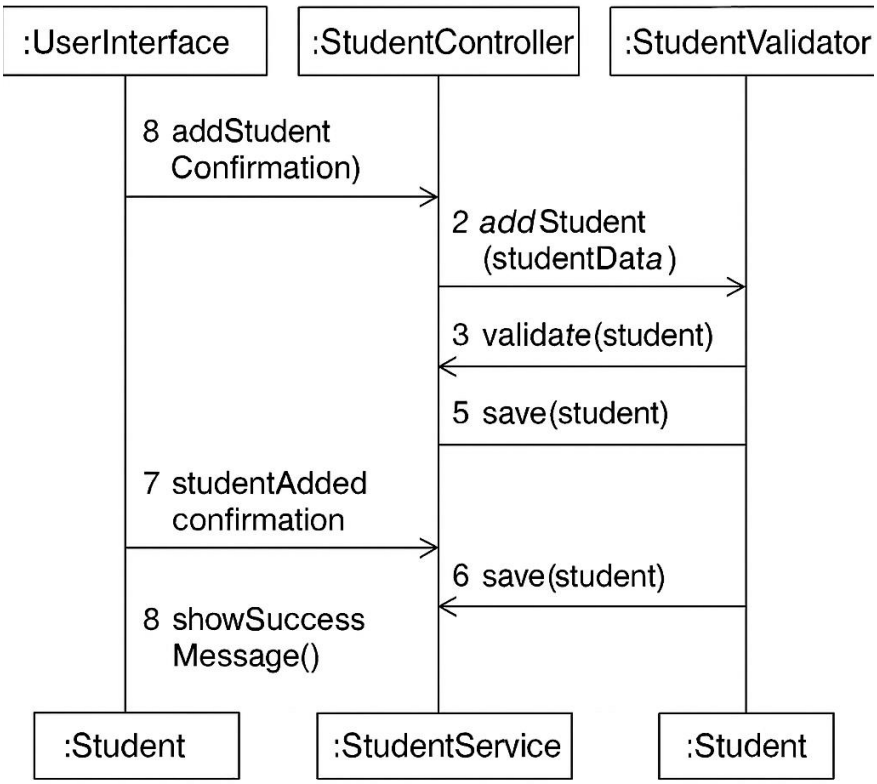


Package Diagram

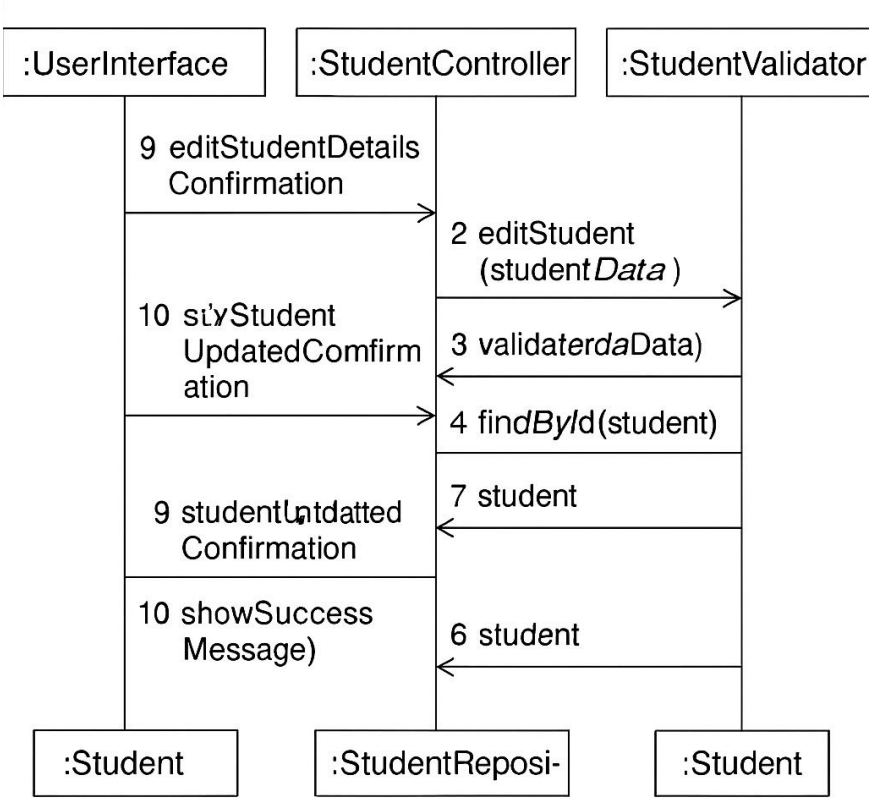
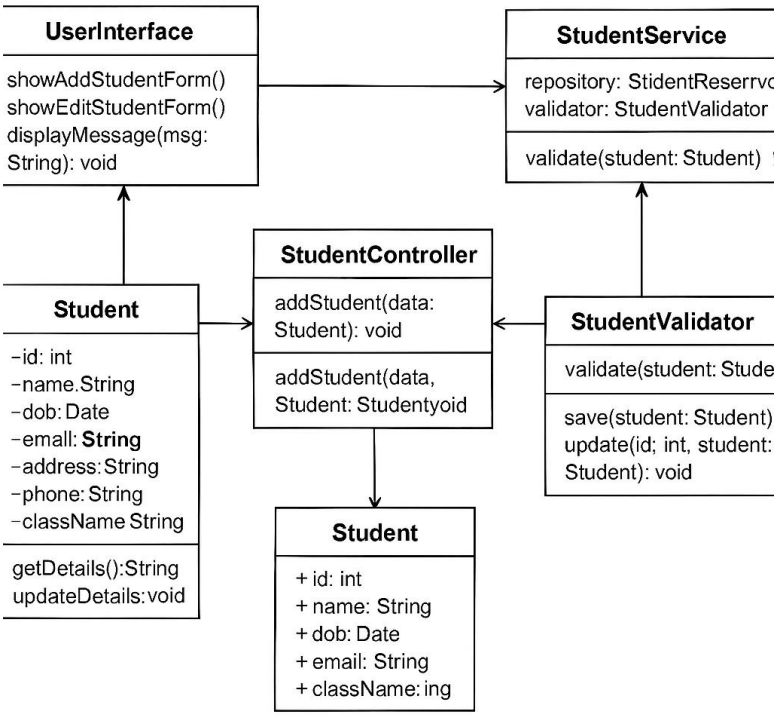


Collaboration Diagram

Add student



Edit Student



Class Diagram