

System Analysis

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Planning

System Request

Project Sponsor



CS Courses Platform Owner
Project Supervisor
Academic Instructor

Business Needs



Manual course registration issues
Organized online course management
Improve student communication

Business Requirements



Display availability form
Course selection
Responsive web design

Business Value



Reduced manual effort
Better user student data

Constraints



Fixed deadline: 14/12/2025
Reduced manual effort
Better user experience
Organized student data

Constraints



Fixed deadline: 14/12/2025
Web-based system only
Data security required

Feasibility Study



Technical Feasibility

HTML, CSS, JavaScript, Bootstrap
Bootstrap



Business Feasibility

Backend integration possible
(PHP or Node.js or Node.js)
Technically feasible



Economic Feasibility

Open-source technologies
Potential future revenue



Legal Feasibility

No legal restrictions
User data privacy respected



Operational Feasibility

Easy to use interface
Web-based system only
Student driven



Operational Feasibility

Minimal training required
High user acceptance

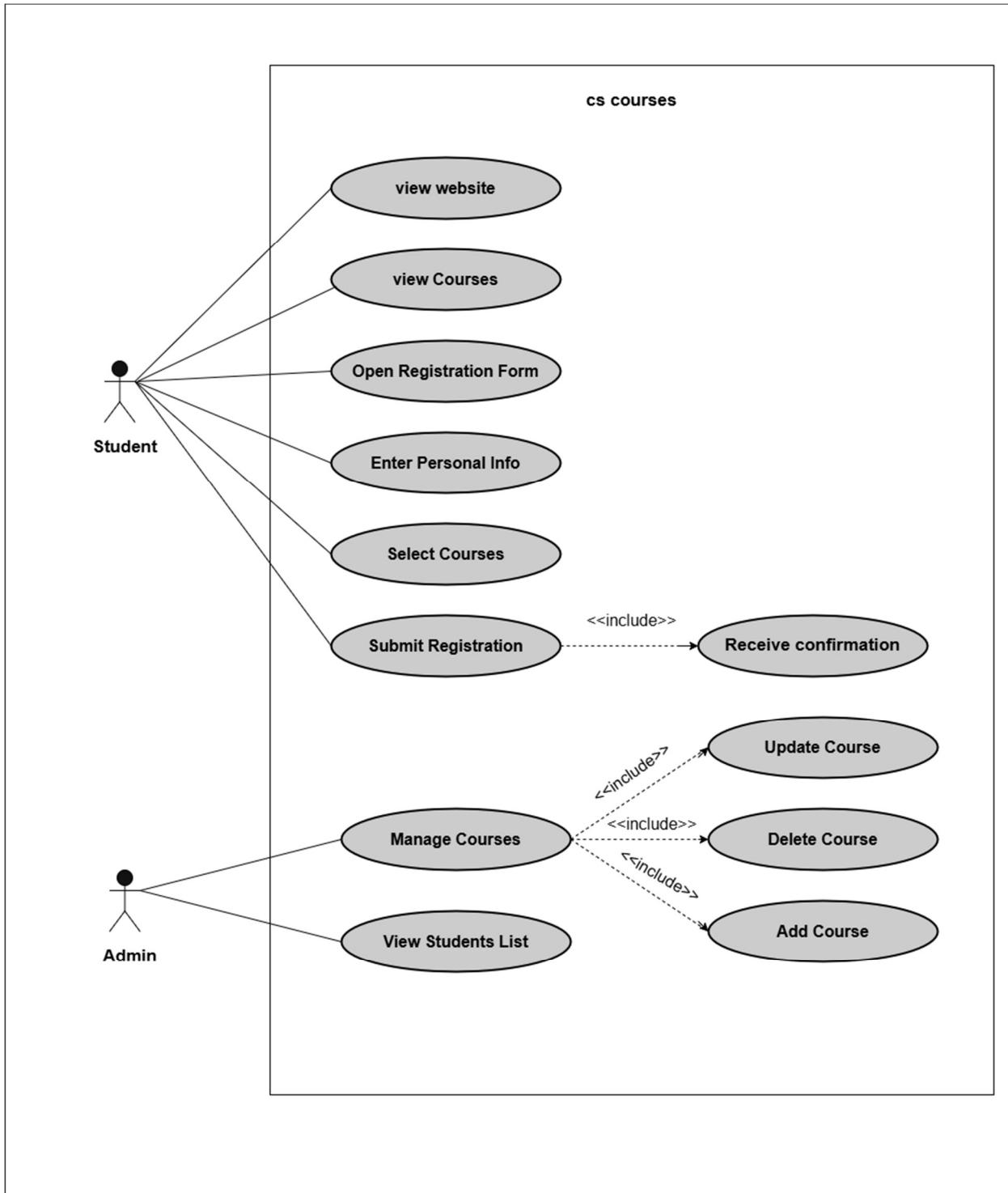


Schedule Feasibility

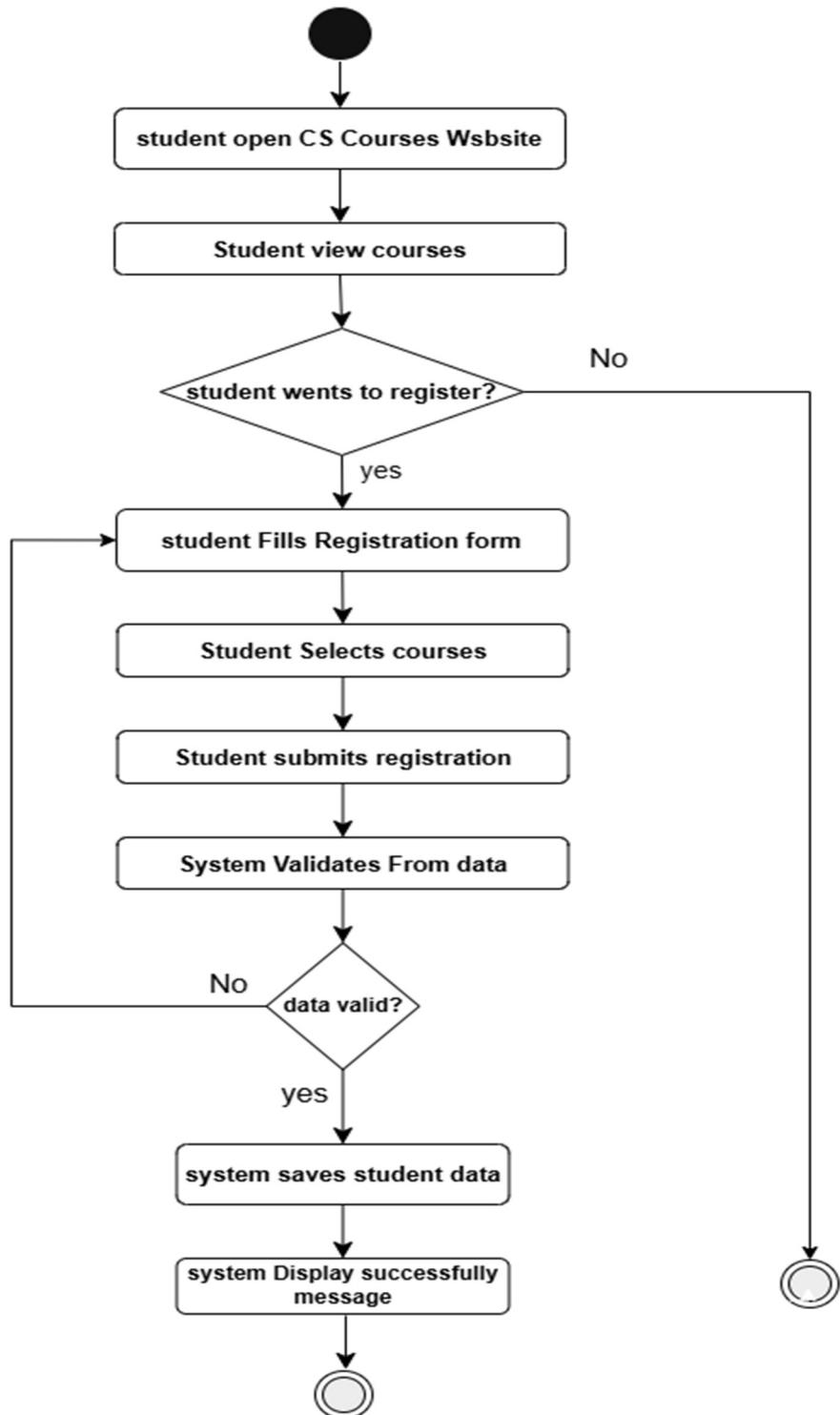
Deadline: 14/12/2025
Realistic development timeline

Analysis

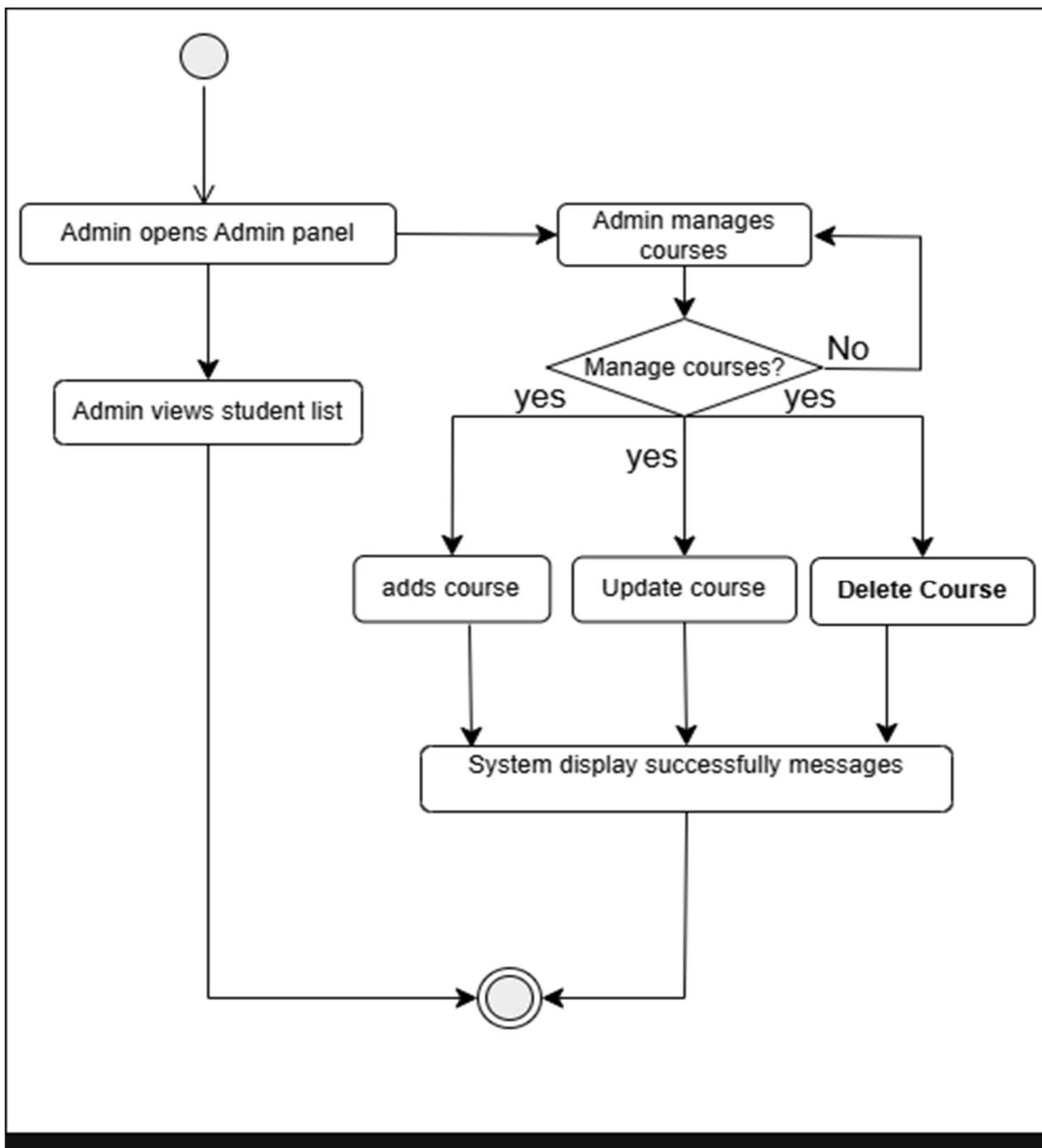
1-Use case diagram



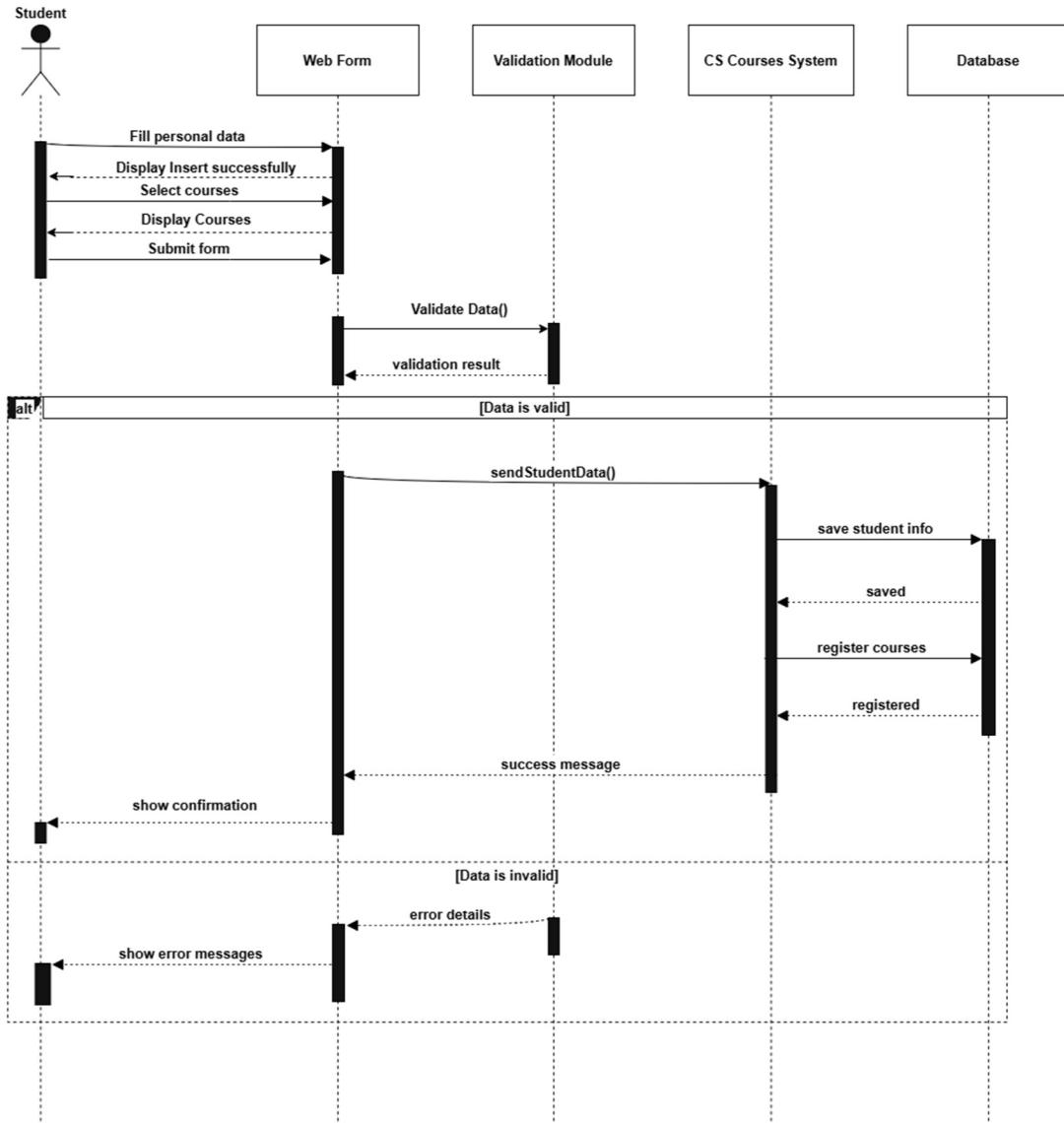
2-Activity Diagram student



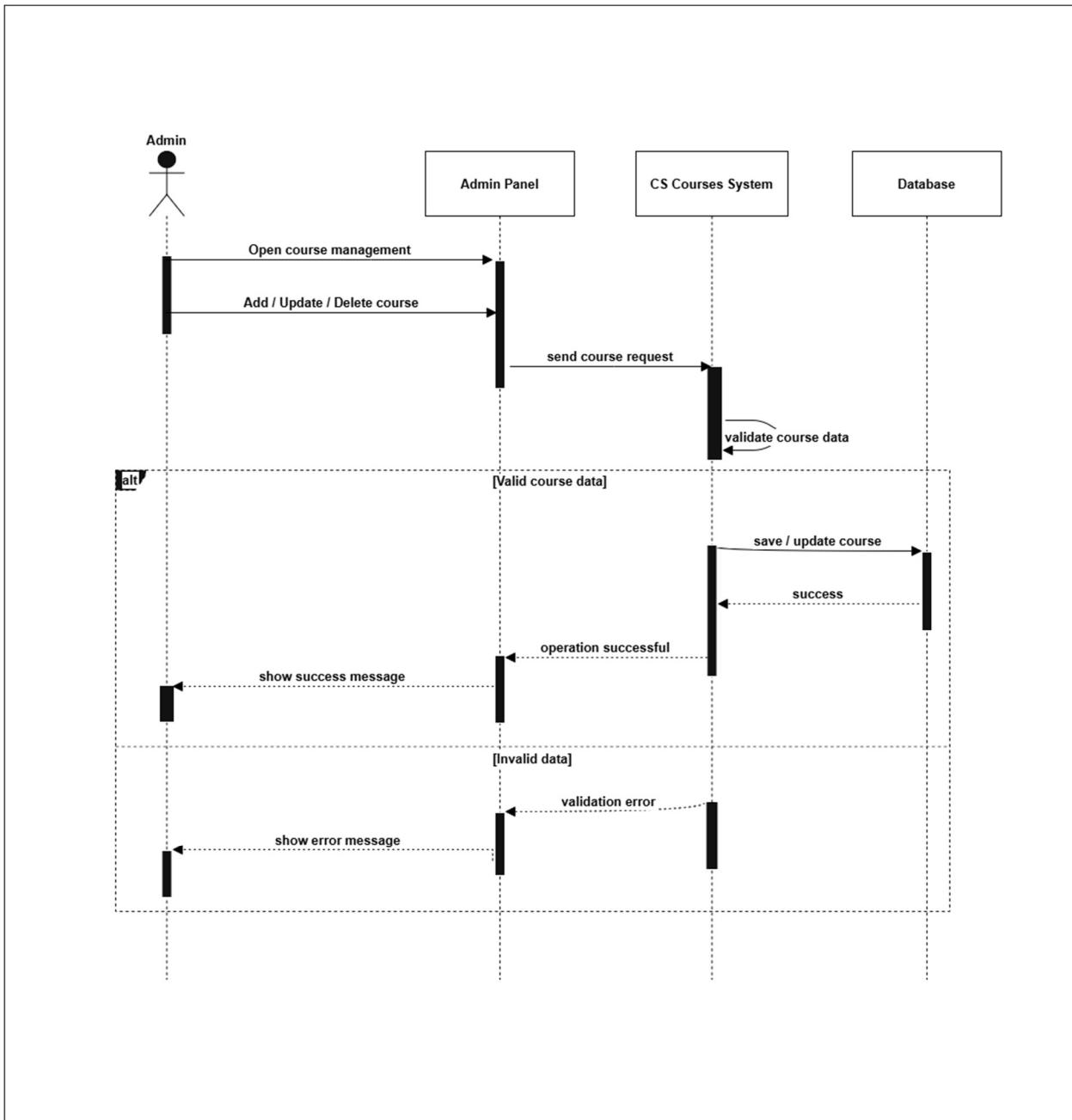
Activity Diagram Admin



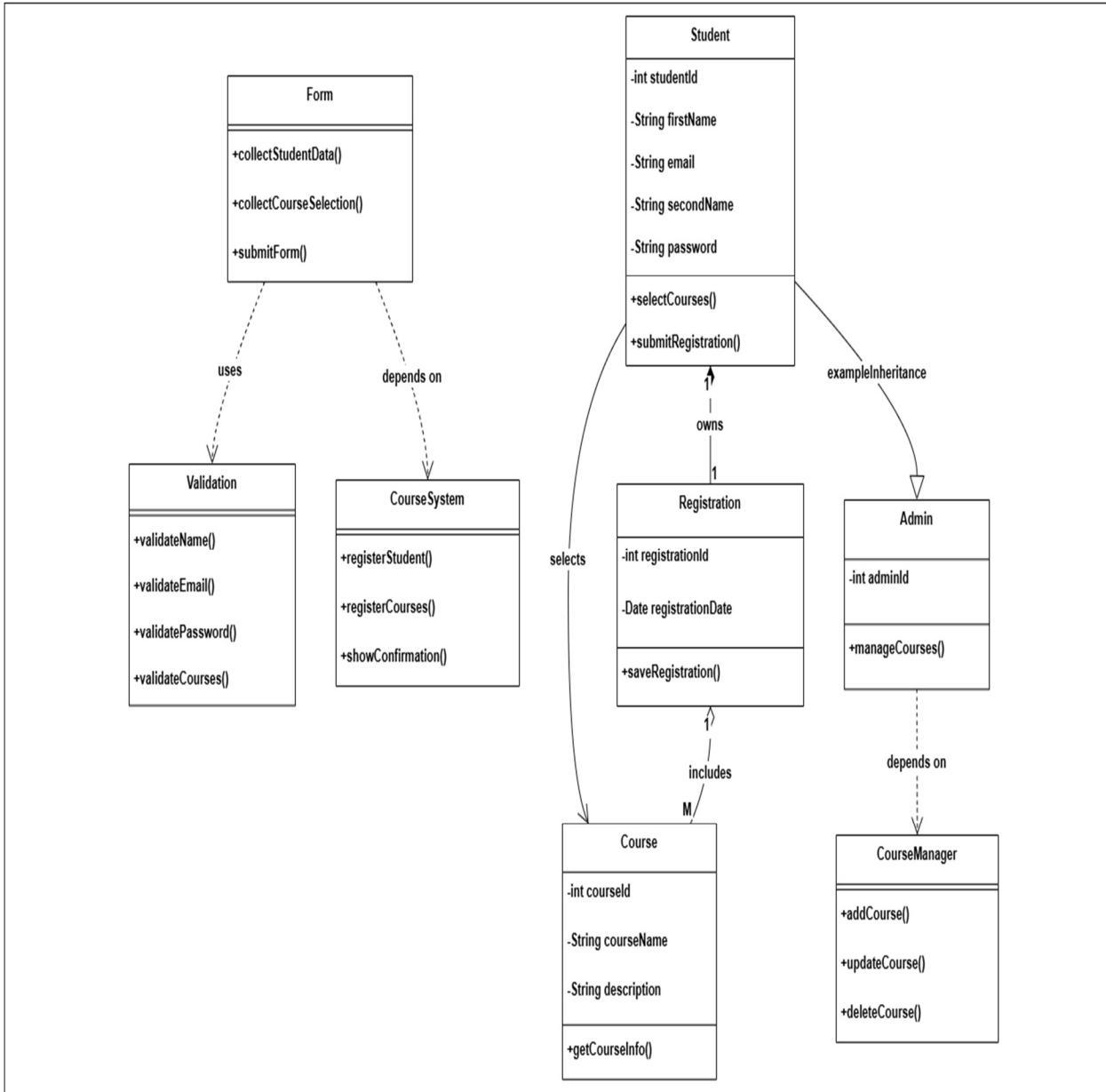
3-Sequence Diagram student



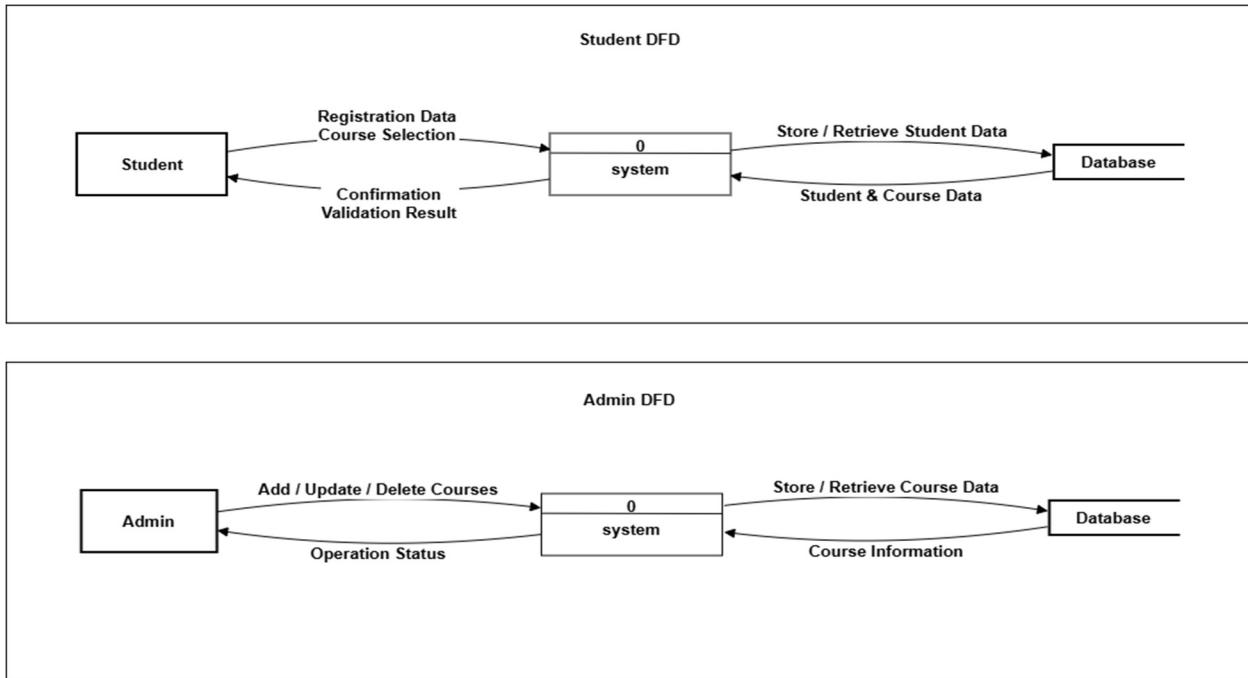
Sequence Diagram Admin



4-Class Diagram



5-DFD Diagram level 0



DFD Diagram level 1

