

System Analysis

Name	ID	Class
محمد خالد محمد سيد احمد	12500135	1
عمر حسام الدين حمدان عبدالرحمن	12500147	13
احمد محمد السيد عابدين	12500559	13
يوسف صابر سلامه عواد عليان	12500327	13
احمد محمود عبد الرحمن ياسين	12500263	14

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 availation 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, Boustup
Boustup



Business Feasibility

Backend integration possible
(PHP or Node or Node/s)
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 darts



Operational Feasibility

Minimal training required
High user acceptance

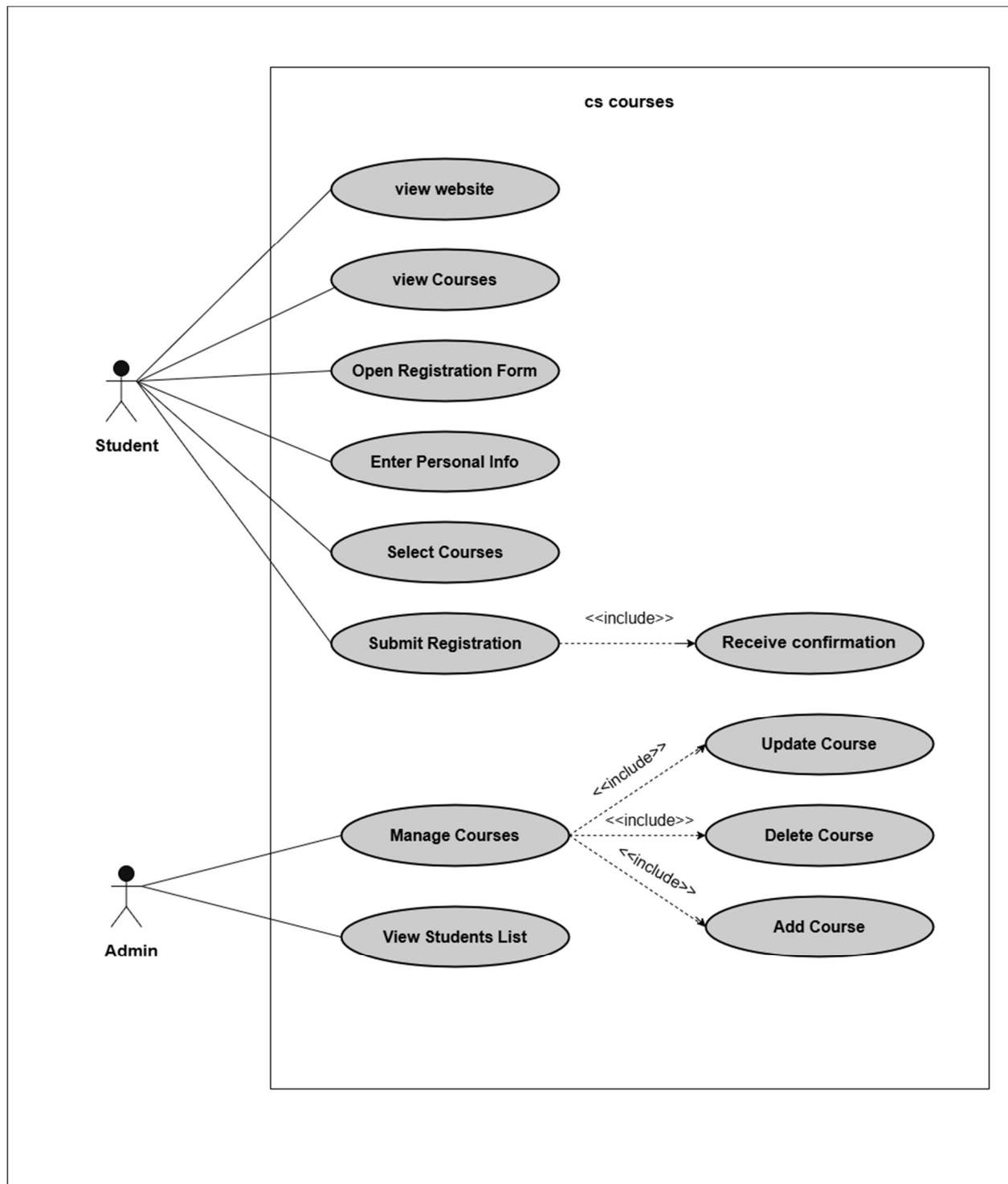


Schedule Feasibility

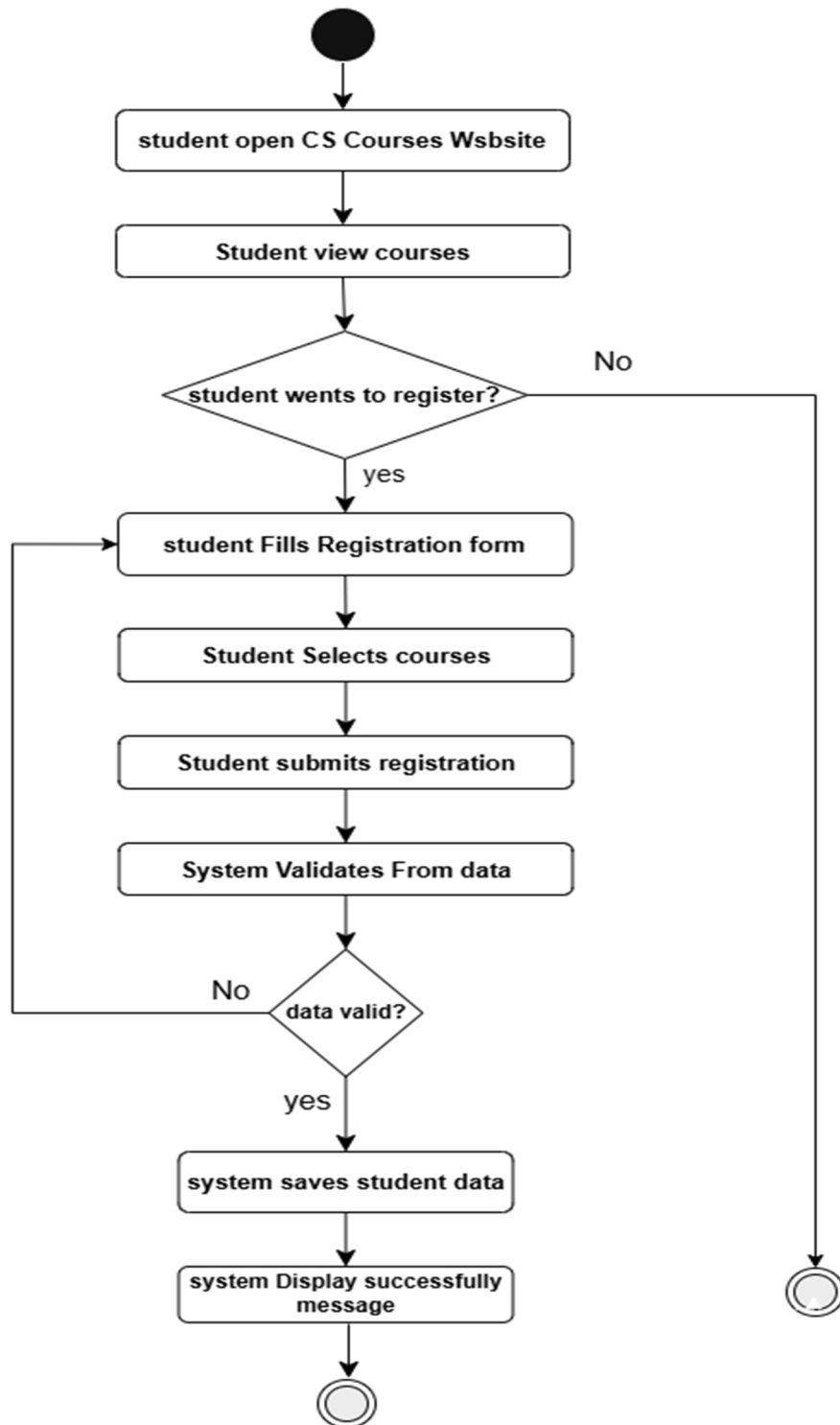
Deadline: 14/12/2025
Realistic development timeline

Analysis

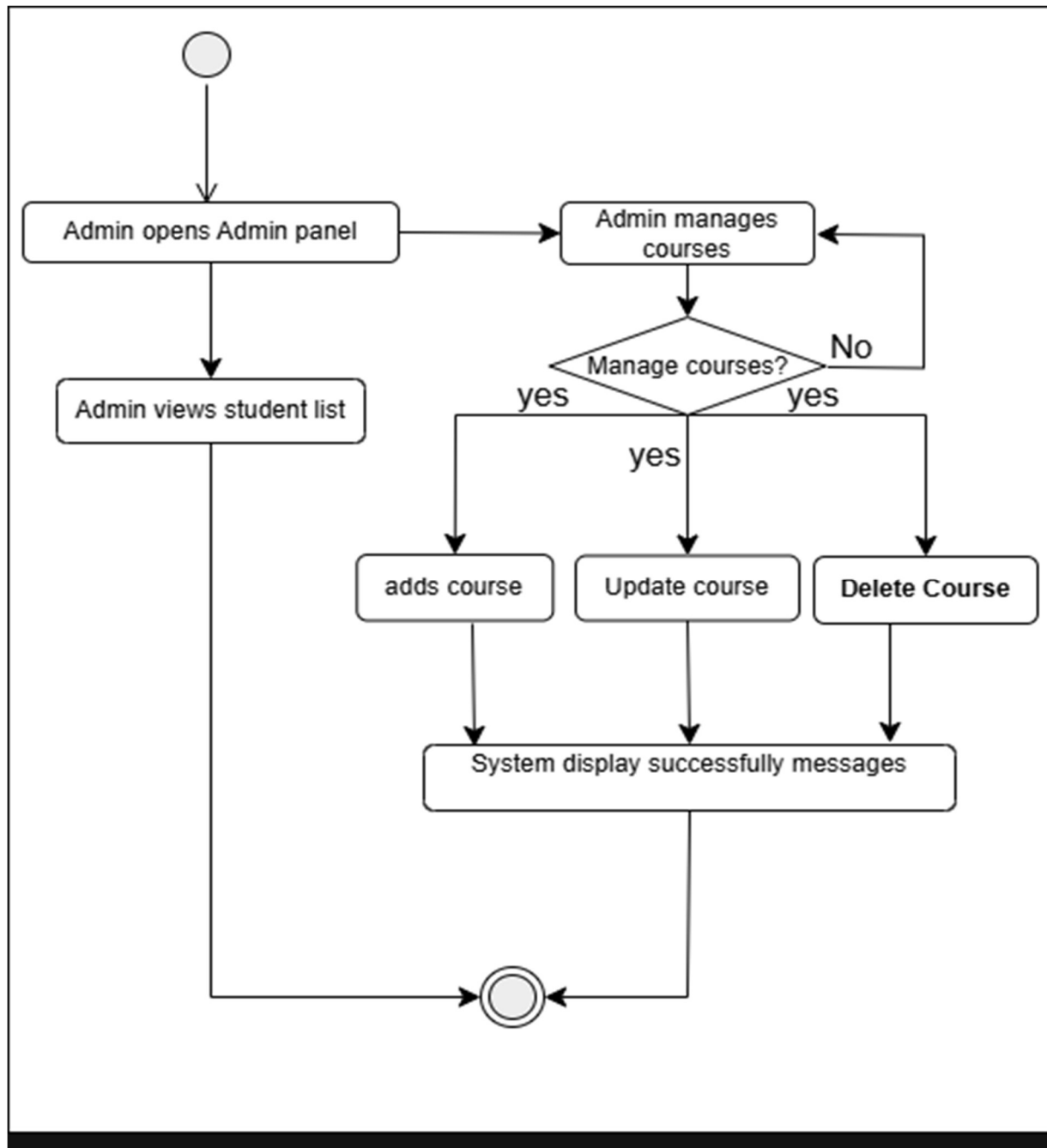
1-Use case diagram



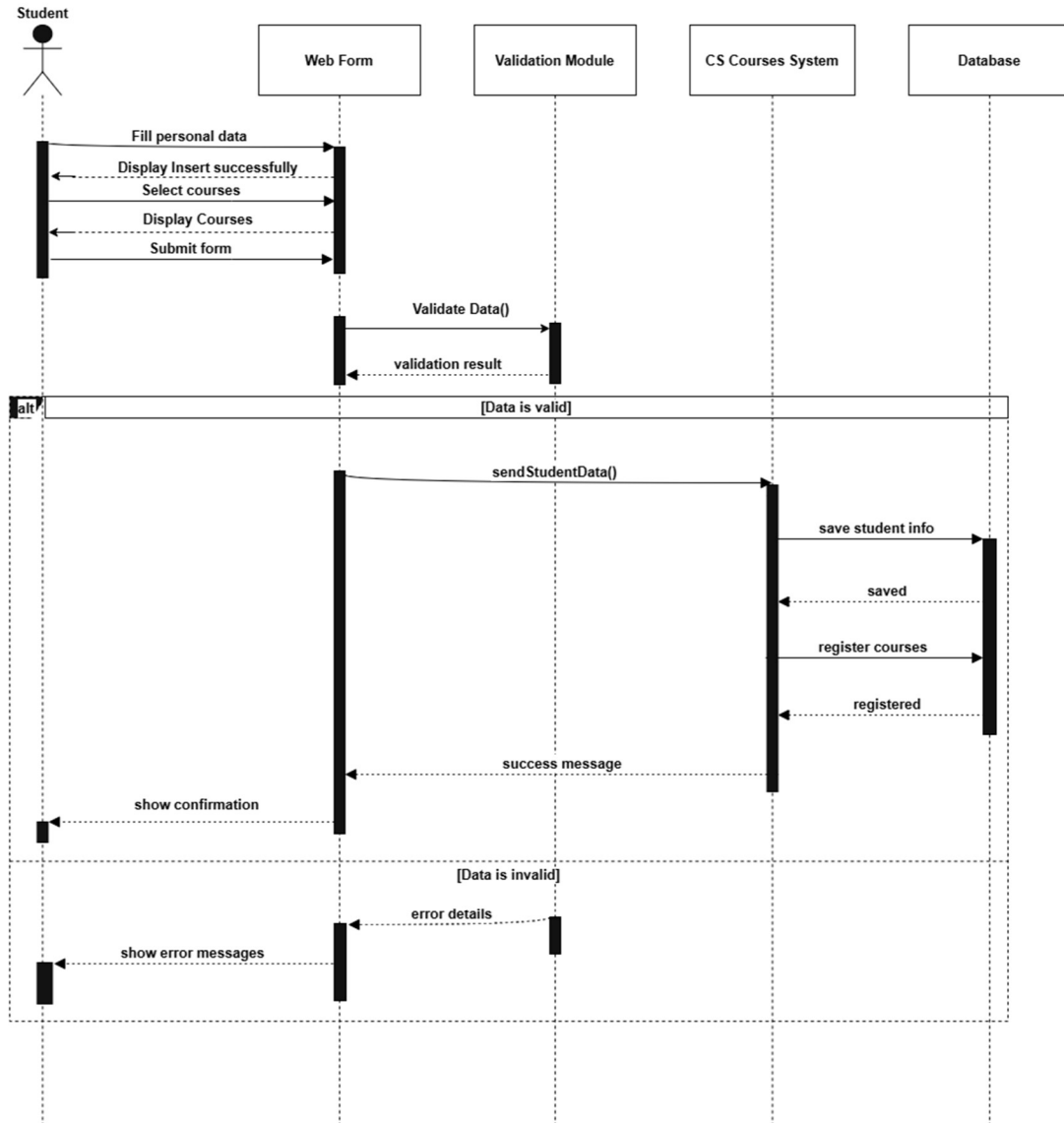
2-Activity Diagram student



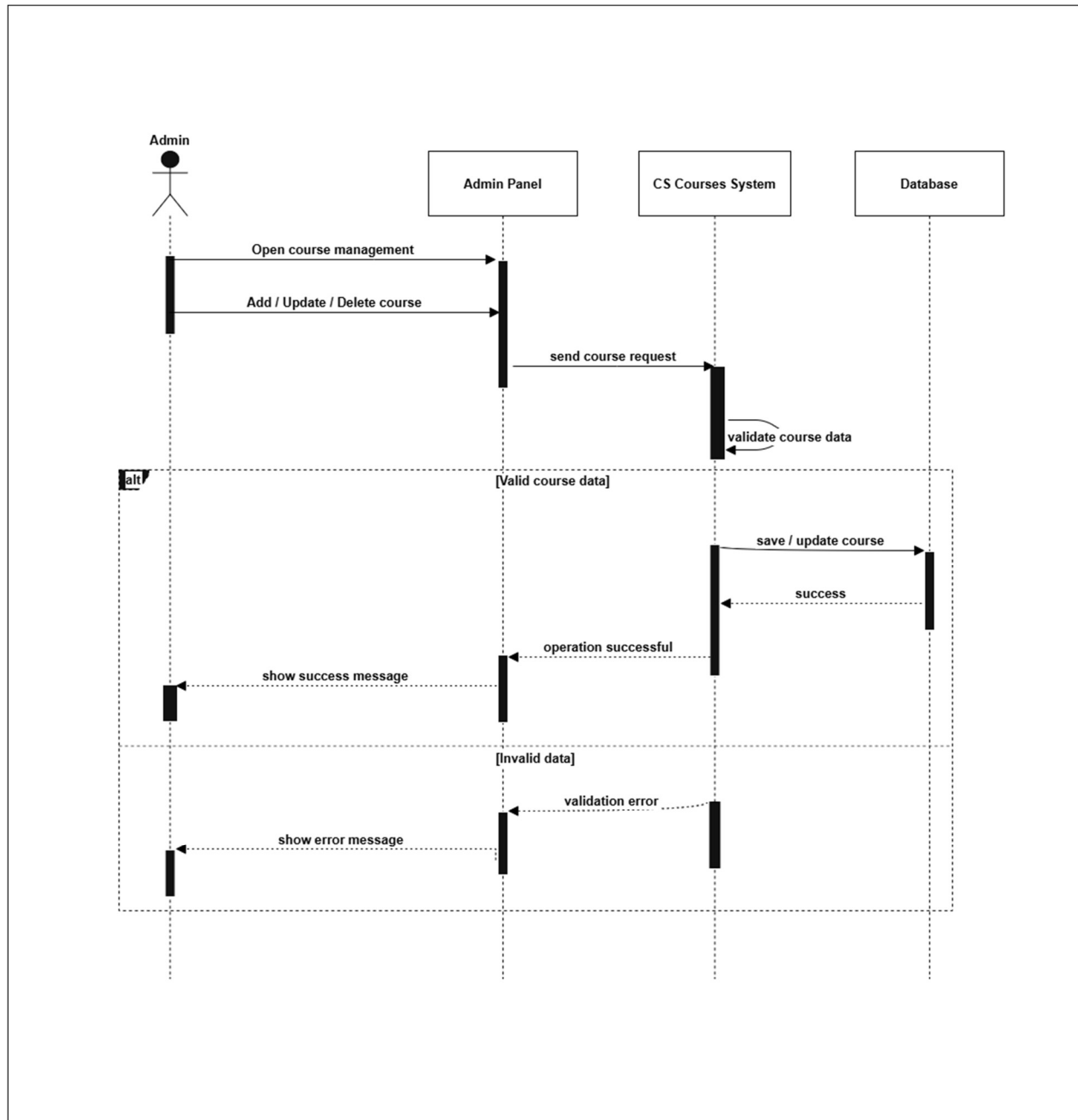
Activity Diagram Admin



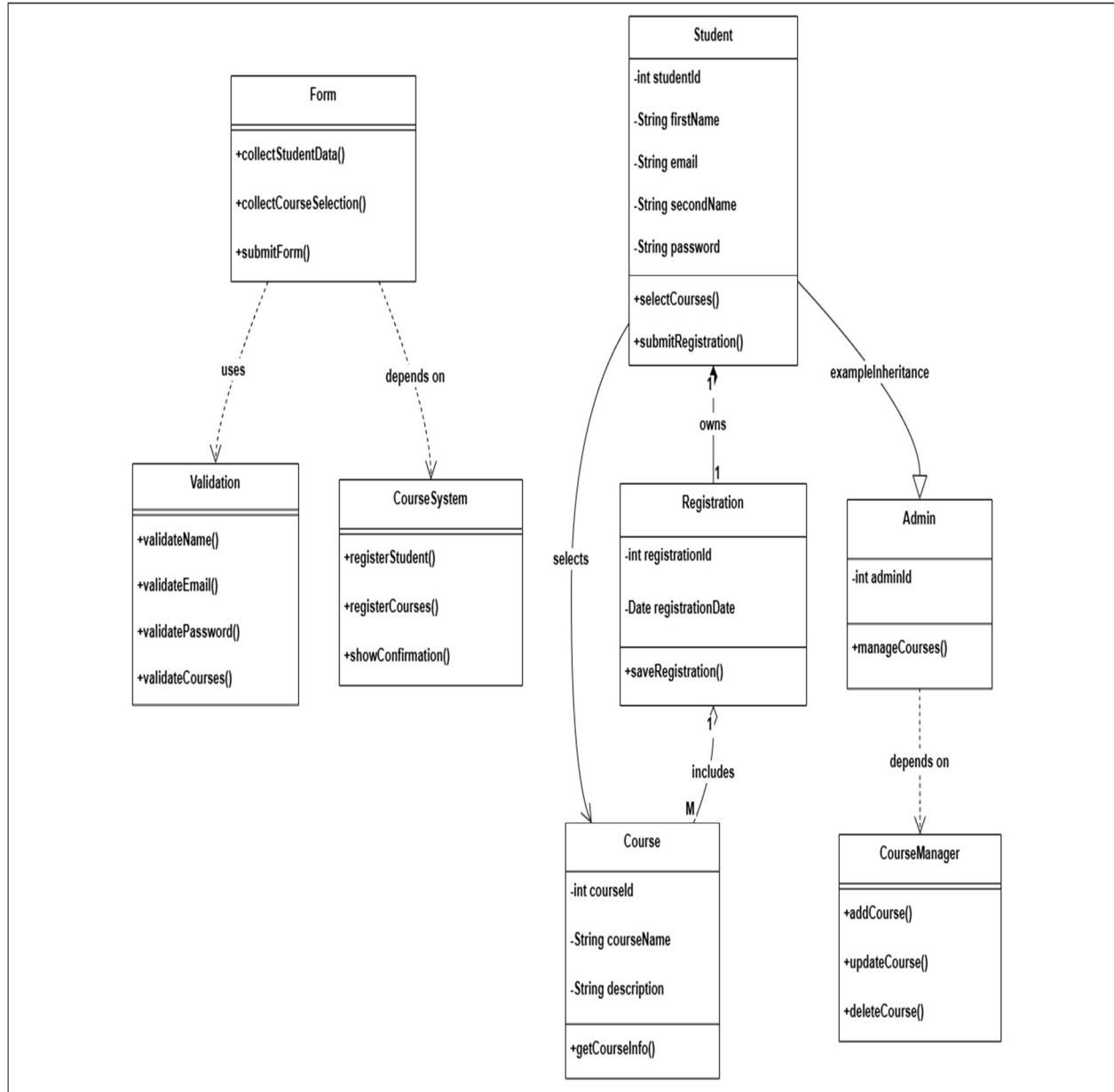
3-Sequence Diagram student



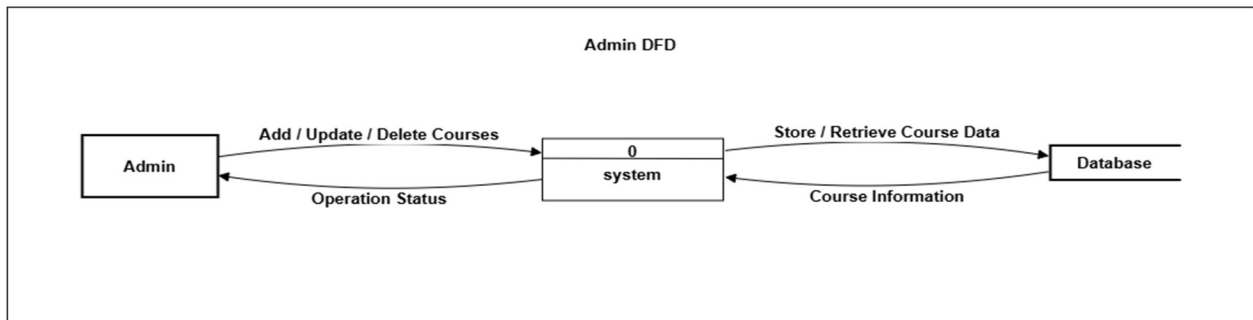
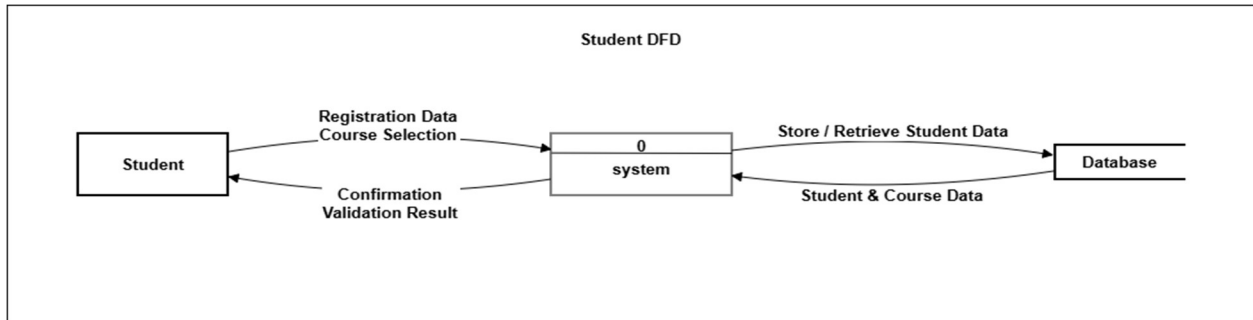
Sequence Diagram Admin



4-Class Diagram



5-DFD Diagram level 0



DFD Diagram level 1

