

Group Midterm Project: Max 2 members per group

DEADLINE: October 20, 2025 @ 11:59 PM

"Student Information Management System" (SIMS)

Requirements:

- **Frontend (JavaScript basics)**
 - Simple HTML/CSS + JavaScript interface (no frameworks).
 - Form to input student details (name, age, course, year).
 - Display stored students in a table or list dynamically using DOM manipulation.
- **Backend (Node.js basics)**
 - Use Node.js to create a server (via http or ExpressJS).
 - Store student data in a JSON file (simulating a database).
 - Handle routes for:
 - GET /students → return all students
 - POST /students → add a student
 - (optional) DELETE /students/:id → delete a student
- **Extra Features (for bonus points)**
 - Input validation (e.g., age must be a number).
 - Search or filter students by name/course/male/female.
 - Styling with basic CSS for a neat UI.

You can download the dataset here of the drive link I provided:

https://drive.google.com/drive/folders/1o0MJ50kyZ1V97G4mbUPAcTU1NL8zC3PC?usp=drive_link

Reminder: You can limit the students to display like 50 students or 20 students, it's up to you

RUBRIC:

Criteria	Excellent	Very Satisfactory	Satisfactory	Minimal Pass	Fail
Functionality (Core features: add, display, store student data;	36-40 pts All features work; functional; extra features	31-35 pts Most features work; backend mostly functional	26-30 pts Frontend works but backend incomplete/buggy	21-25 pts Partial implementation; frontend	0-20 pts Project does not run or lacks required features

backend with JSON)	implemented			static or backend missing	
Code Quality & Structure (organization, functions, modules, comments)	23–25 pts Clean, well-structured, well-commented	20–22 pts Mostly organized; minor issues	17–19 pts Messy but functional	14–16 pts Poorly structured; spaghetti code	0–13 pts Incomplete or unreadable
User Interface & Experience (design, usability, validation)	18–20 pts Neat, user-friendly, styled, validated	16–17 pts Good UI but lacks polish/validation	14–15 pts Basic, minimal styling	12–13 pts Poor layout/confusing	0–11 pts No usable UI
Creativity & Extra Features (search, delete, edit, Express.js, etc.)	9–10 pts Meaningful enhancements added	7–8 pts One extra feature added	5–6 pts Attempt at extra feature but incomplete	3–4 pts Minimal creativity	0–2 pts No attempt
Presentation & Submission (timeliness, packaging, README)	5 pts On time, with README	4 pts On time, minor doc missing	3 pts Late ≤1 day, poor packaging	2 pts Late ≤3 days, no README	0–1 pt Very late or no submission