Project Title	School Management System
Technologies	MERN
Domain	Education
Project Level	Difficult

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1. Problem Statement:

The web-based school management system will serve as a forum for communication between students, instructors, and parents. While automating the labor and computerizing the paperwork in the system is the project's major goal. The computerization is carried out in order to save all student and teacher information in the system, making it centralized and reducing the possibility of data duplication. While implementing automation into the system will shorten the time needed to save any data there

2. School Management System Module:

- Admin: This module's user has total power over the entire system because they are able to add and remove anyone from it. The administrator has the ability to access and change any information about another person. Any requests for changes will be sent to the admin by users from another module.

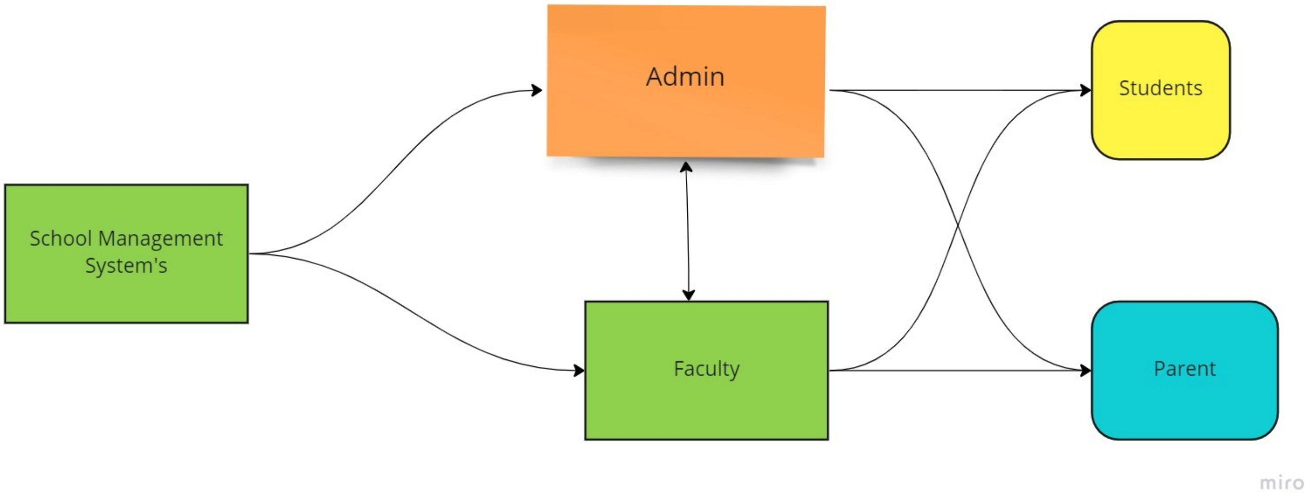
- Students: The students can view the specifics of the task they were given, the test date, the results, and the time-table from this module.

- Parents: The parents can examine the amount of the outstanding fees, communicate with the teachers, and keep tabs on their children's performance.

- Faculty: This module contains the information of teachers, librarian, accountant.

3. Features:

- Registration and login
- Apply for leave
- Mark Attendance
- Assign and check home work
- View and upload the Homework
- Payments
- Timetable
- Examination seating plan, Examination Result



4. Project Evaluation metrics:

4.1. Code:

- You are supposed to write code in a modular fashion ● Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works similarly in every environment (operating system).
- You have to maintain your code on GitHub.
- You must keep your GitHub repo public so anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include the basic workflow and execution of the entire project in the readme file on GitHub.
- Follow the coding standards.

4.2. Database:

MongoDB is a source-available cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON-like documents with optional schemas.

4.3. API Details or User Interface:

You have to expose your complete solution as an API or try to create a user interface for your model testing. Anything will be fine for us.

4.4. Deployment:

Deploy the application on your preferred service.

4.5. Solutions Design:

You have to submit complete solution design strategies in High-level Document (HLD), Lowlevel Document (LLD), and Wireframe documents**.**

4.6. System Architecture:

You have to submit a system architecture design in your wireframe document and architecture document.

4.7. Optimization of solutions:

Try to optimize your solution on the code level, and architecture level, and mention all of these things in your final submission.

5. Submission requirements:

5.1. High-level Document:

You have to create a high-level document design for your project. You can reference the HLD form below the link.

Sample link: HLD Document Link

5.2. Low-level document:

You have to create a Low-level document design for your project; you can refer to the LLD from the link below.

Sample link: LLD Document Link

5.3. Architecture:

You have to create an Architecture document design for your project; you can refer to the Architecture from the link below.

Sample link: Architecture sample link

5.4. Wireframe:

You have to create a Wireframe document design for your project; refer to the Wireframe from the link below.

Demo link: Project code sample link

5.5. Project code:

You have to submit your code to the GitHub repo in your dashboard when the final submission of your project.

Demo link: Project code sample link

5.6. Detail project report:

You have to create a detailed project report and submit that document as per the given sample.

Demo link: DPR sample link

5.7. Project demo video:

You have to record a project demo video for at least 5 Minutes and submit that link.