Project Title	Student-Teacher Booking Appointment
Technologies	HTML, CSS, JS, and Firebase
Domain	Education
Project Difficulties level	Easy

Problem Statement:

Booking appointment systems, either online or through traditional queueing systems, are now popular. Several businesses, such as scheduling an appointment, employ various Web-based appointment systems for their patients, which improve the efficiency of the appointment process, reducing patient wait times and increasing the total number of patients treated. This research proposes a web-based appointment booking system that allows students and lecturers to be aware of their appointment time regardless of where they are by using the web or mobile devices. By connecting to the Internet, students and instructors can easily access the system. It also permits students to send any message, including the appointment's purpose and timing.

System Modules

Admin

- Add Teacher
  - Name, Department, subject, etc
- Update/Delete Teacher
- Approve Registration Student

Teacher

- Login
- Schedule Appointment
- Approve/cancel Appointment
- View Messages
- View All Appointment
- Logout

Student

- Register
- Login
- Search Teacher
- Book Appointment
  - Send Message

Project Evaluation metrics:

Code:

- You are supposed to write a 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 the same in every environment (operating system)
- You have to maintain your code on GitHub.
- You have to keep your GitHub repo public so that anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include basic workflow and execution of the entire project in the readme file on GitHub
- Follow the coding standards.

Database:

- You are supposed to use FireBase.

Logging:

- Logging is a must for every action performed by your code, use the JavaScript or python logging library for this.

Deployment:

- You can host your model in the cloud platform, edge devices, or maybe local,

but with a proper justification of your system design.

Solutions Design:

- You have to submit complete solution design strategies in LLD document

System Architecture:

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

Optimization of solutions:

- Try to optimize your solution on code level, architecture level, and mention all of these things in your final submission.
- Mention your test cases for your project.

Submission requirements:

Project code:

You have to submit your code to the GitHub repo and you have to share the repo link at final submission of your project.

Detail project report:

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