



Project Title	GYM Management System
Technologies	HTML, CSS, JS, and Firebase
Domain	Sports
Project Difficulties level	Medium

Problem Statement:

Payment receipts at many Gyms are printed on paper. As a result, keeping all of the paper receipts safe is tough for both gym members and gym trainers. When members misplace their receipts, it might cause problems. Another issue that a gym owner may have is that manually distributing messages about the gym's working and non-working days becomes tough. These issues can be solved if there is an online application available.

This project can benefit both gym owners and gym users. Because all receipts are stored in a digital format in this program, there is no risk of losing any confidential receipts. This program will also alert the user (gym members) of their fees, as well as the gym owner of payment receipts. In the future, this app could be expanded to include a supplement store, nutrition advice, personal training, and other features.

## Module list

### Admin

- Login
- Add Member
- Update/Delete Members
- Create Bills
- Assign Fee Package
- Assign Notification for monthly
- Report export
- Supplement store
- Diet Details

### Members

- Login
- View Bill Receipts
- View bill notification

### User

- Login
- View details
- Search records

## **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.

**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.

