



FitTrack – GYM Management System

A web-based GYM management system that allows gym administrators to manage members, billing, diet plans, notifications, and more — built using Firebase and JavaScript.

Features

- Admin login & registration
 - 🧑🏻‍💼 Member login & dashboard
 - 💰 Create and view bills
 - Assign personalized diet plans
 - Send and view notifications
 - 🔍 View members with search, sort, pagination
 - Firebase Authentication & Firestore integration
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Tech Stack

- **Frontend:** HTML, CSS, JavaScript
 - **Backend:** Firebase (Auth + Firestore)
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Project Structure

```
FitTrack/  
├── index.html  
├── pages/  
│   ├── admin.html  
│   ├── member.html  
│   ├── view-members.html  
│   └── create-bill.html  
├── js/  
│   ├── firebase-config.js  
│   ├── admin.js  
│   ├── member.js  
│   └── bill.js  
├── css/  
│   └── style.css  
└── images/
```

| └─ FitTrack.png
└─ README.md

Firestore Setup

1. Create a Firebase project at [Firebase Console](#)
2. Enable Authentication → Email/Password
3. Set up Firestore collections:
4. `users` (with fields: `name`, `email`, `role`, `plan`, etc.)
5. `bills`, `diets`, `notifications`
6. Replace your `firebase-config.js` with your Firebase credentials

Firestore Security Rules

```
rules_version = '2';
service cloud.firestore {
  match /databases/{database}/documents {

    match /users/{userId} {
      allow read, write: if request.auth != null && request.auth.uid == userId;
    }

    match /bills/{billId} {
      allow read: if request.auth != null;
      allow write: if isAdmin();
    }

    match /diets/{dietId} {
      allow read: if request.auth != null;
      allow write: if isAdmin();
    }

    match /notifications/{notifId} {
      allow read: if request.auth != null;
      allow write: if isAdmin();
    }

    function isAdmin() {
      return get(/databases/{database}/documents/users/{
(request.auth.uid)).data.role == "admin";
    }
  }
}
```

```
}  
}
```

How to Run

1. Clone the repo:

```
git clone https://github.com/your-username/FitTrack-GYM-Management.git
```

2. Open `index.html` in your browser.
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Screenshots

Add screenshots for homepage, admin panel, and member dashboard.

License

MIT License — feel free to use and modify.

Built with ❤ by Nancy Saini