PALESTRA App Documentation

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Introduction

PALESTRA is a full-stack web application built using the MERN (MongoDB, Express.js, React, Node.js) stack. It is designed to help manage gym-related activities and includes various features to facilitate gym operations.

Tech Stack

Frontend Technologies

- React.js - v18.2.0
- Emotion - v11.11.1
- Material-UI - v5.14.18
- React PDF Viewer - v3.12.0
- Stripe React Stripe JS - v2.4.0
- Axios - v1.6.2

Backend Dependencies

- bcrypt - v5.1.1
- bcryptjs - v2.4.3
- cloudinary - v1.41.0
- cors - v2.8.5
- dotenv - v16.3.1
- express - v4.18.2
- express-async-handler - v1.2.0
- jsonwebtoken - v9.0.2
- mongoose - v8.0.2
- multer - v1.4.5-lts.1
- multer-storage-cloudinary - v4.0.0
- nodemon - v3.0.1

Features

Key Features

1. User Authentication and Authorization
2. Gym Member Management
3. Class Scheduling and Attendance Tracking
4. Payment Integration
5. Document Management (e.g., waivers, health forms)
6. Reporting and Analytics
7. Integration with Email Services (using Email.js)
8. Real-time Location Tracking for Members
9. QR Code Generation and Scanning

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