Project Documentation

FitFlex: Your Personal Fitness Companion

1. Introduction

- Project Title: FitFlex Your Personal Fitness Companion
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2. Project Overview

• Objective:

The overarching aim of FitFlex is to offer an accessible platform tailored for individuals passionate about fitness, exercise, and holistic well-being.

- Features:
 - Exercises from Fitness API
 - Visual Exercise Exploration
 - Intuitive and User-Friendly Design
 - Advanced Search Feature

3. Architecture

- Frontend: React.js with Bootstrap and Material UI
- Backend: Node.js and Express.js managing server logic and API endpoints
- Database: MongoDB stores user data, project information, applications, and chat messages

4. Setup Instructions

- Prerequisites:
 - Node.js
 - MongoDB
 - Git
 - React.js
 - Express.js
 - Mongoose
 - Visual Studio Code

5. Folder Structure

CODE/ |- node_modules/ |- public/ |- src/ |- assets/ |- components/

- pages/ - styles/

6. Running the Application

- Frontend: cd client npm start
- Backend: cd server npm start
- Access: Visit htp://localhost:3000

7. API Documentation

- User:
 - /api/user/register
 - /api/user/login
- Projects:
 - /api/projects/create
 - /api/projects/:id
- Applications:
 - /api/apply
- Chats:
 - /api/chat/send
 - /api/chat/:userld

8. Authentication

- JWT-based authentication for secure login
- Middleware protects private routes

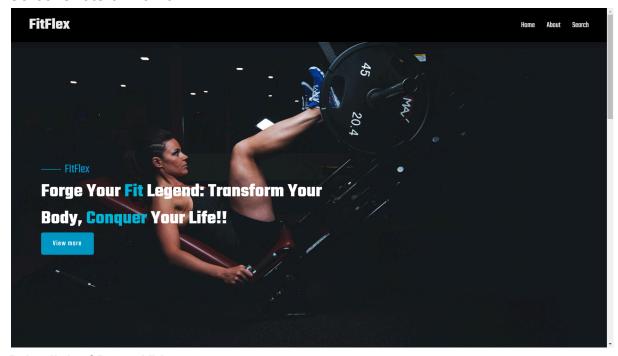
9. User Interface

- Landing Page
- Freelancer Dashboard
- Admin Panel
- Project Details Page

10. Testing

- Manual testing during milestones
- Tools: Postman, Chrome Dev Tools

11. Screenshots or Demo



Drive link of Demo Video:

 $\frac{https://drive.google.com/file/d/1hNmSbKiM70QOm7c3-2K8e4DwMDrE1_W9/view}{\underline{w}}$

12. Known Issues:

Some API problems occur, some images are not loading.

13. Future Enhancements:

The known issues will be fixed in future.