# **Project Documentation**

**FitFlex: Your Personal Fitness Companion** 

#### 1. Introduction

• Project Title: FitFlex - Your Personal Fitness Companion

Team ID: NM2025TMID47619
Team Leader: YACHEL C &

- Team Members:
  - GOMATHI S &
  - ABIRAMI R &
  - JANANI D &

### 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

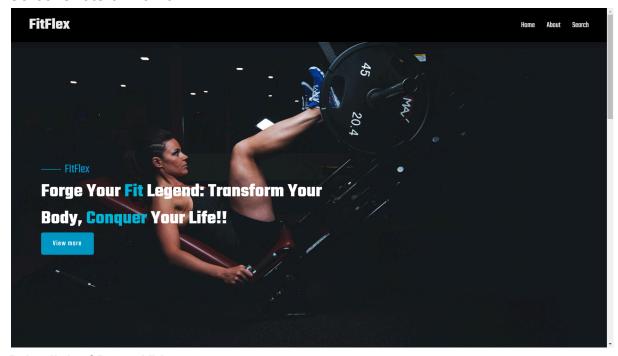
# 9. User Interface

- 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.