Project Documentation
FitFlex

Frontend Project
Title: FitFlex

1. **Introduction**
    - **Project Title: FitFlex**
    - **Team ID: NM2025TMID47624**
    - **Team Leader: YOHESH SARAN S & yoheshsaran23@gmail.com**
    - **Team Members:**
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2. **Project Overview**
    - **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**
    FitFlex/
    ├ 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/:userId

8. **Authentication**
   - **JWT-based authentication for secure login**
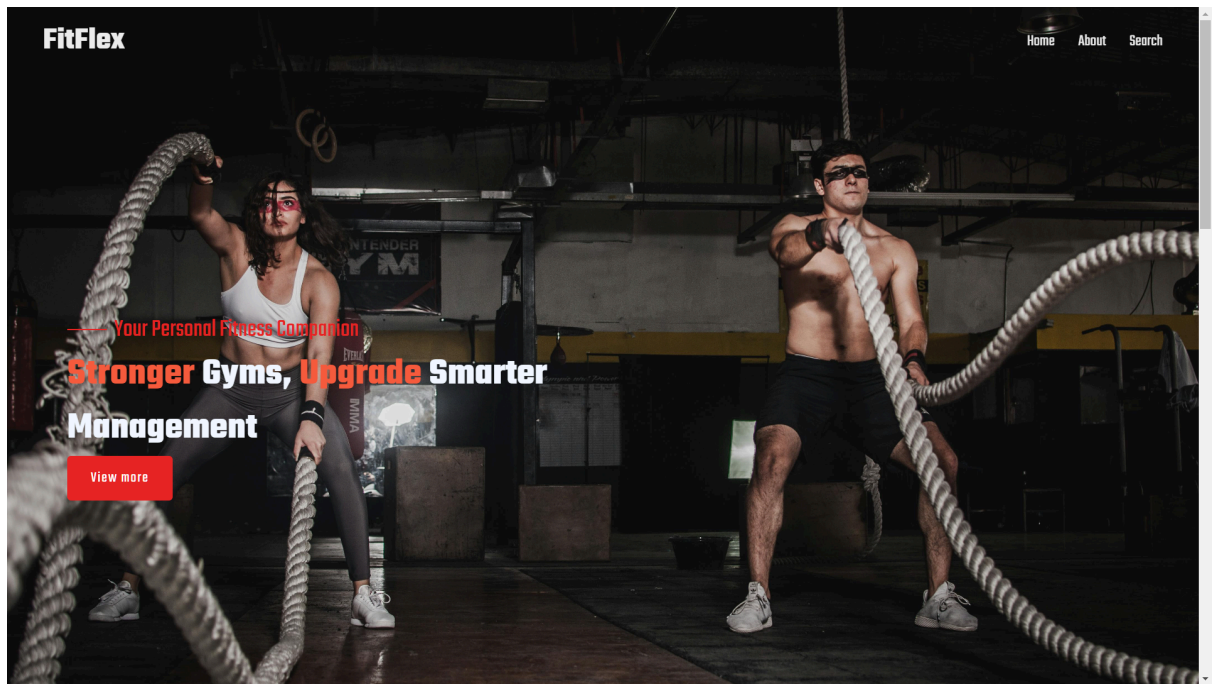   - **Middleware protects private routes**

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:
https://drive.google.com/file/d/1vLL1AcFmSic7qyvKGbha39U1JaEspz7l/view?usp=sharing

12. Known Issues:
Some API problems occur, some images are not loading.

13. Future Enhancements:
The known issues will be fixed in future.