Project Documentation

FitFlex: Your Personal Fitness Companion

1.Introduction

✓ Project Title: FitFlex: Your Personal Fitness Companion

❖ **Team ID:NM2025TMID31571** ❖

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2. Project Overview

❖ **Purpose:** FitFlex : Your Personal Fitness Companion empowers professionals and organisational to navigate emerging trends, share real time insights , and adapt to evolving business landscape through collaborative learning, analysis and communication ❖ **Features:**

➢ Fitness companion
➢ Secure chat system
➢ Feedback and review system
➢ Admin control panel

3. Architecture

❖ Frontend: React.js with Bootstrap and Material UI

4. Setup Instructions

❖ Prerequisites:

➢ Node.js
➢ Git
➢ React.js
➢ Express.js – Visual Studio Code ❖ **Installation Steps:**

Clone the repository git clone

Install client dependencies cd

client npm install

Install server dependencies cd

../server npm install

5. Folder Structure

SB-Works/

|-- client/ # React frontend

|__components/

L__ pages/

|__ server/ # Node.js **6.**

Running the Application

❖ Frontend:

- ➢ cd client
- ➢ npm start

❖ **Access: Visit http://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

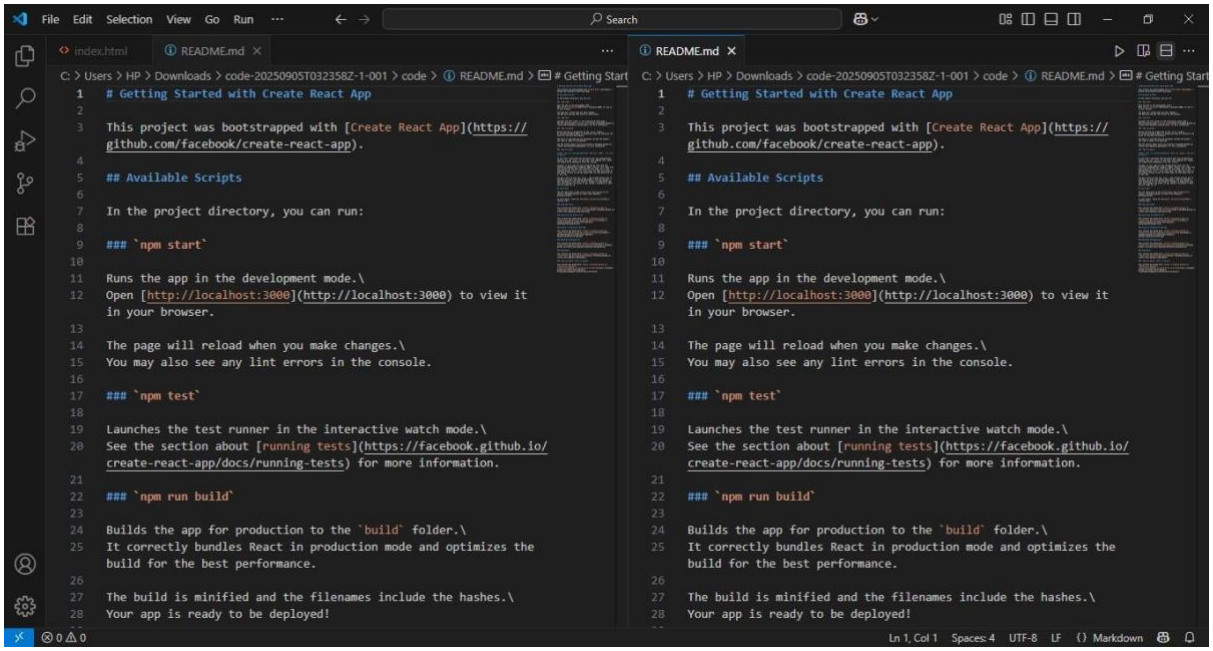
❖ Landing Page
❖ Freelancer Dashboard

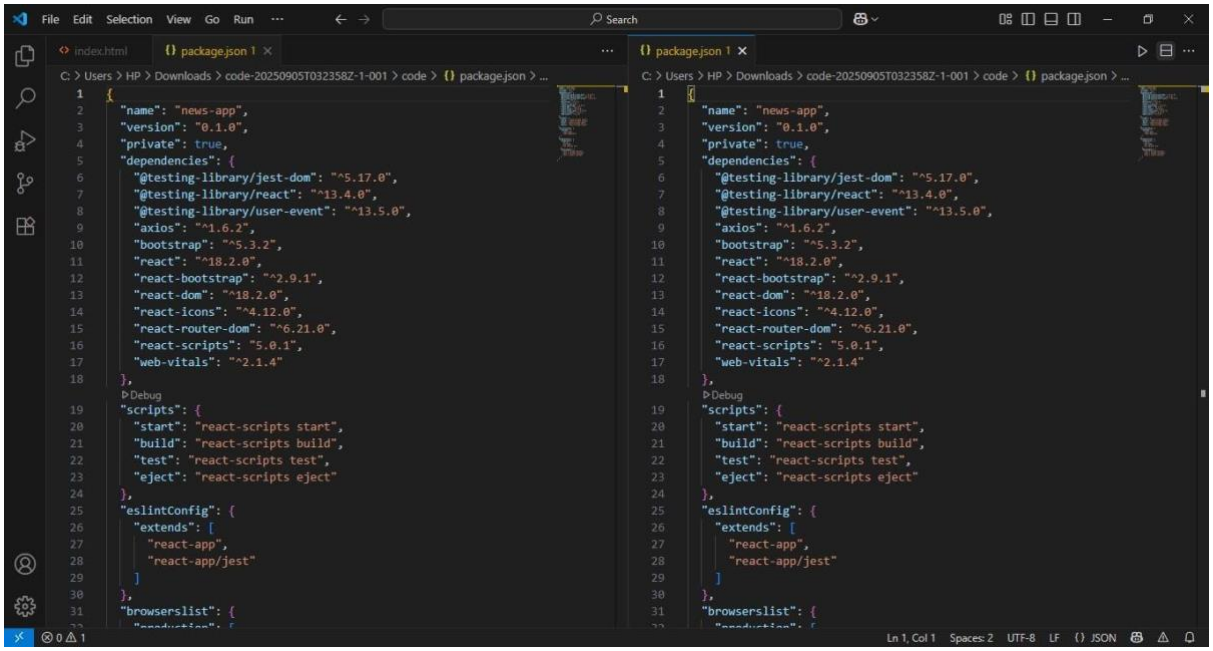
- ❖ Admin Panel
- ❖ Project Details Page

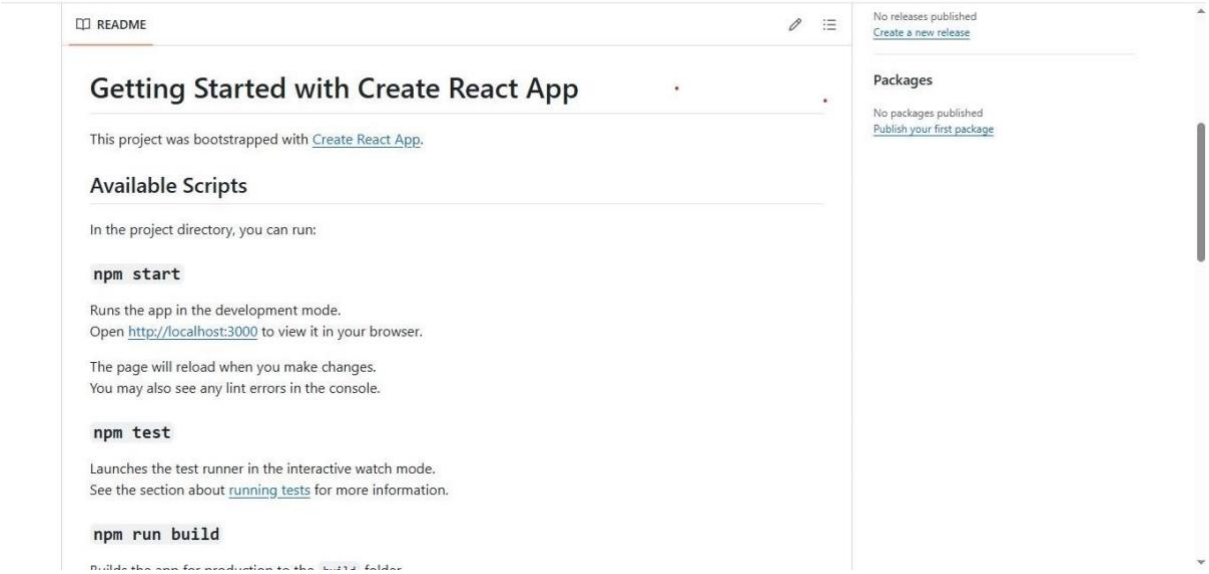
10. Testing

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

11. Screenshots







12. Known **Issues**

- API Rate Limits
- Server Problem
- Navigation Glitches

13. Future Enhancements

- Analytics Dashboard
- Search Functionality
- User Authentication