Project Documentation

1.Introduction

✓ **Project Title: FitFlex-Your Personal Fitness Companion**

❖ **Team**

ID:NM2025TMID31579❖

Team Leader:

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2. Project Overview

❖ **Purpose:** FitFlex-Your Personal fitness Companion empower professional 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**
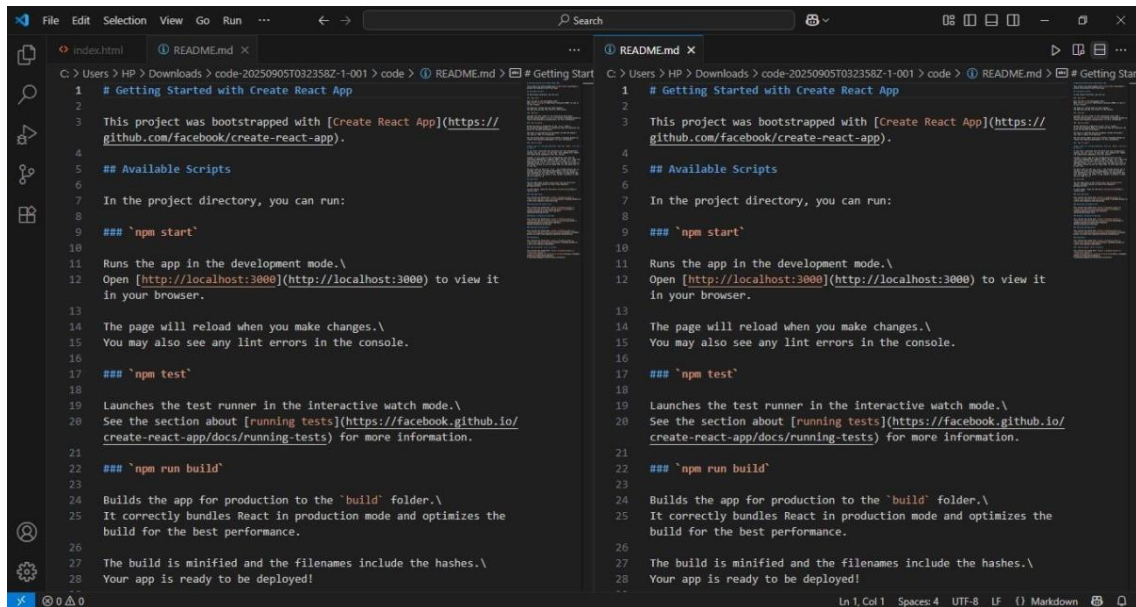❖ **Middleware protects private routes**

9. User Interface
❖ Landing Page
❖ Freelancer Dashboard

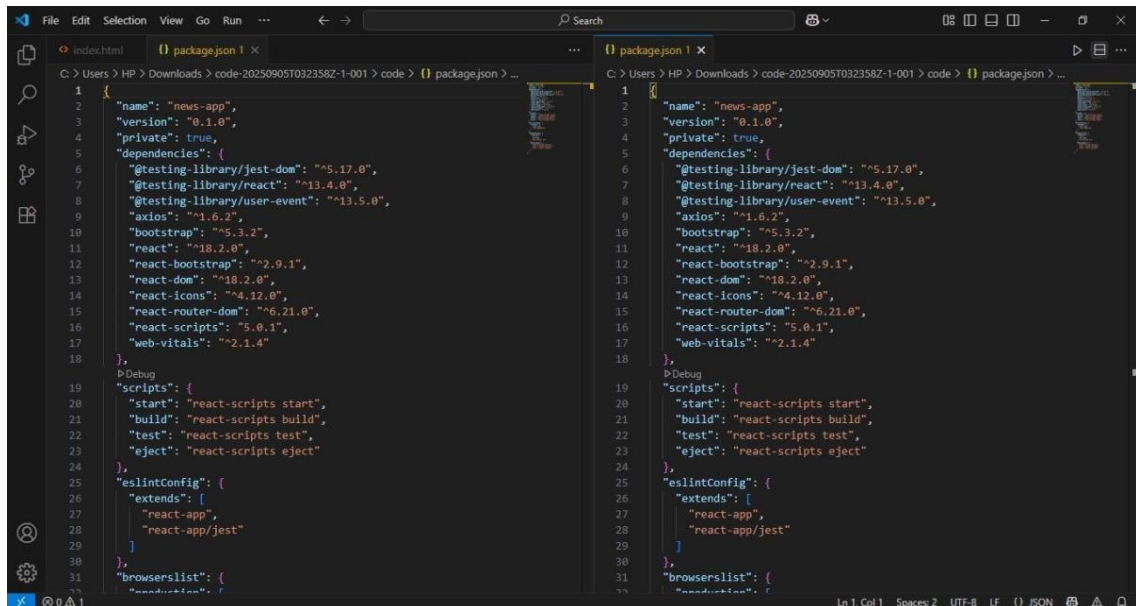- ❖ Admin Panel
- ❖ Project Details Page

10. Testing

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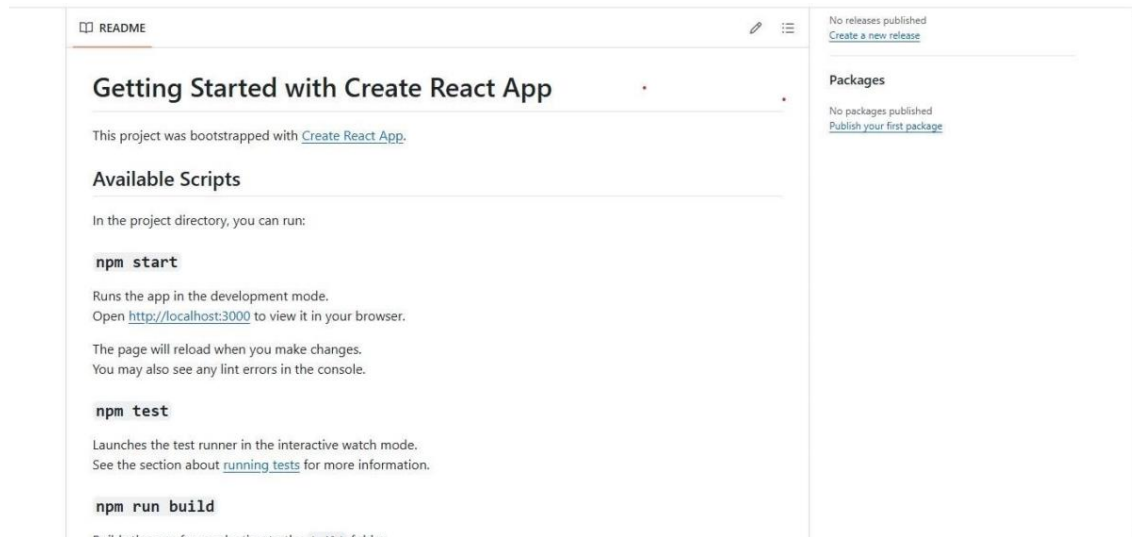- ❖ Tools: Postman, Chrome Dev Tools

11. Screenshots

Getting Started with Create React App

This project was bootstrapped with Create React App.

Available Scripts

In the project directory, you can run:

`npm start`

Runs the app in the development mode.
Open http://localhost:3000 to view it in your browser.

The page will reload when you make changes.
You may also see any lint errors in the console.

`npm test`

Launches the test runner in the interactive watch mode.
See the section about running tests for more information.

`npm run build`

Builds the app for production to the build folder.

No releases published
Create a new release

Packages

No packages published
Publish your first package

12. Known **Issues**

- ❖ API Rate Limits
- ❖ Server Problem
- ❖ Navigation Glitches

13. Future Enhancements

- ❖ Analytics Dashboard
- ❖ Search Functionality
- ❖ User Authentication