

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

The screenshot shows a code editor with the README.md file open. The file contains the following content:

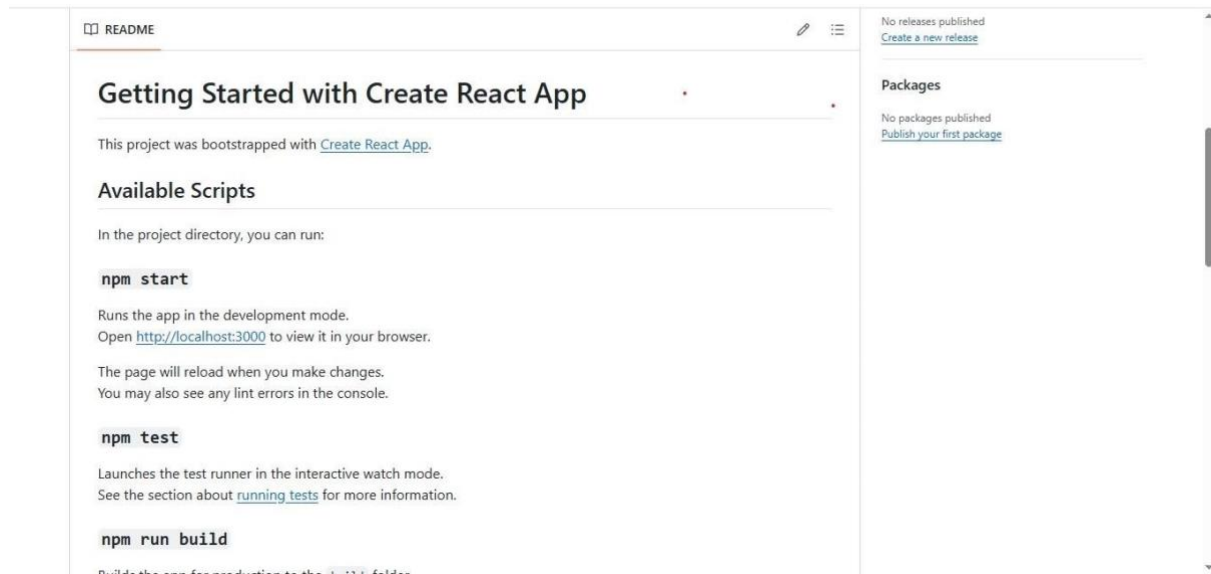
```

1 # Getting Started with Create React App
2
3 This project was bootstrapped with [Create React App](https://
4   github.com/facebook/create-react-app).
5
6 ## Available Scripts
7
8 In the project directory, you can run:
9
10 ### `npm start`
11
12 Runs the app in the development mode.\
13 Open [http://localhost:3000](http://localhost:3000) to view it
14   in your browser.
15
16 The page will reload when you make changes.\
17 You may also see any lint errors in the console.
18
19 ### `npm test`
20
21 Launches the test runner in the interactive watch mode.\
22 See the section about [running tests](https://facebook.github.io/
23   create-react-app/docs/running-tests) for more information.
24
25 ### `npm run build`
26
27 Builds the app for production to the `build` folder.\
28 It correctly bundles React in production mode and optimizes the
29   build for the best performance.
30
31 The build is minified and the filenames include the hashes.\
32 Your app is ready to be deployed!
  
```

The screenshot shows a code editor with the package.json file open. The file contains the following content:

```

1 {
2   "name": "news-app",
3   "version": "0.1.0",
4   "private": true,
5   "dependencies": {
6     "@testing-library/jest-dom": "^5.17.0",
7     "@testing-library/react": "^13.4.0",
8     "@testing-library/user-event": "^13.5.0",
9     "axios": "^1.6.2",
10    "bootstrap": "^5.3.2",
11    "react": "^18.2.0",
12    "react-bootstrap": "^2.9.1",
13    "react-dom": "^18.2.0",
14    "react-icons": "^4.12.0",
15    "react-router-dom": "^6.21.0",
16    "react-scripts": "5.0.1",
17    "web-vitals": "^2.1.4"
18  },
19  "scripts": {
20    "start": "react-scripts start",
21    "build": "react-scripts build",
22    "test": "react-scripts test",
23    "eject": "react-scripts eject"
24  },
25  "eslintConfig": {
26    "extends": [
27      "react-app",
28      "react-app/jest"
29    ]
30  },
31  "browserslist": {
32    "production": [
  
```



12. Known Issues

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

13. Future Enhancements

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