

# 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

```
C:\> Users > HP > Downloads > code-20250905T03235Z-1-001 > code > README.md > Getting Start
1 # Getting Started with Create React App
2
3 This project was bootstrapped with [Create React App](https://github.com/facebook/create-react-app).
4
5 ## Available Scripts
6
7 In the project directory, you can run:
8
9 ### `npm start`
10
11 Runs the app in the development mode.\nOpen [http://localhost:3000](http://localhost:3000) to view it
in your browser.
12
13 The page will reload when you make changes.\nYou may also see any lint errors in the console.
14
15 ### `npm test` 
16
17 Launches the test runner in the interactive watch mode.\nSee the section about [running tests](https://facebook.github.io/
create-react-app/docs/running-tests) for more information.
18
19
20
21
22
23
24 Builds the app for production to the 'build' folder.\nIt correctly bundles React in production mode and optimizes the
build for the best performance.
25
26
27 The build is minified and the filenames include the hashes.\nYour app is ready to be deployed!
28

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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