Project Documentation

Project Title

1. Introduction

- **Project Title: fitflex**
- **Team ID: NM2025TMID41008**
- **Team Leader:** Karthikeyan s || 24bca20acas@gmail.com
- **Team Members:**
  - Name & Mail id: Harishkumar R || 24bca13acas@gamil.com
  - Name & Mail id :Harish E || 24bca12acas@gmail.com

  -Name & Mail id: Keerthivarman S|| 24bca23acas@gmail.com

2. Project Overview

- **Purpose:** SB Works connects clients and freelancers through project postings, bidding, and real-time communication.
- **Features:**
  - Project posting and bidding
  - Secure chat system
  - Feedback and review system
  - Admin control panel

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

- **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 backend
    |__routes/
       |___models/
        |___controllers/
```

6. Running the Application

- **Frontend:**

```
cd client
npm start
```

- **Backend:**

```
cd server 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

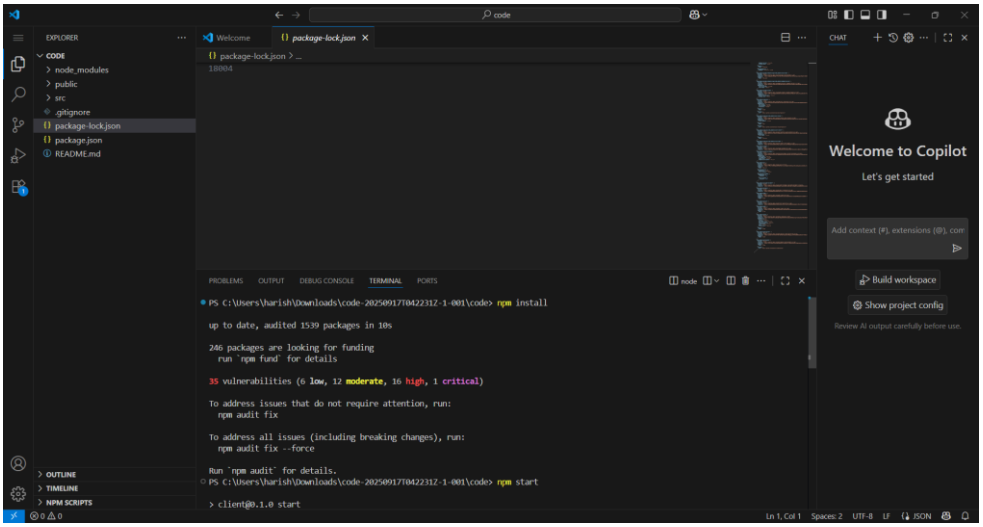
9. User Interface

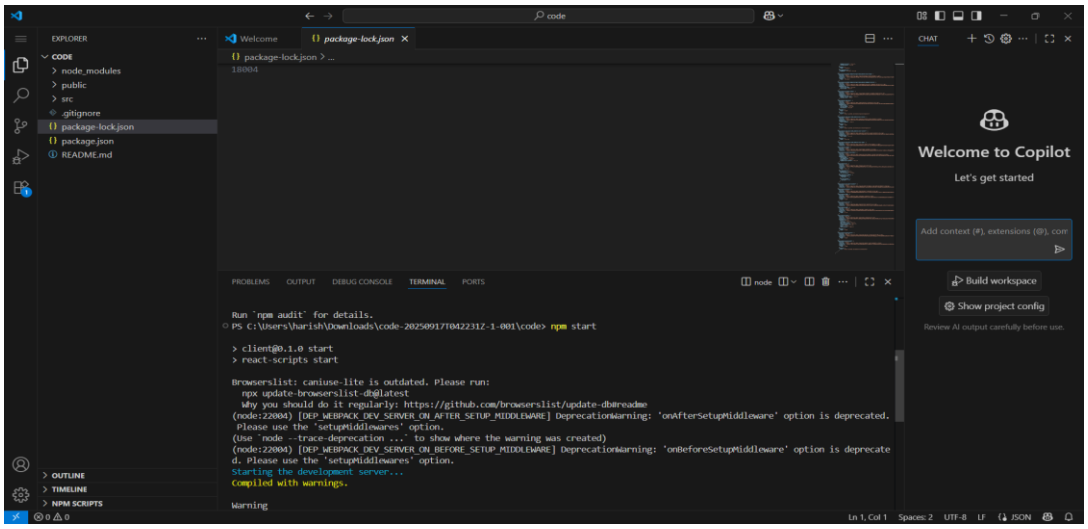
- Landing Page
- Freelancer Dashboard
- Admin Panel
- Project Details Page

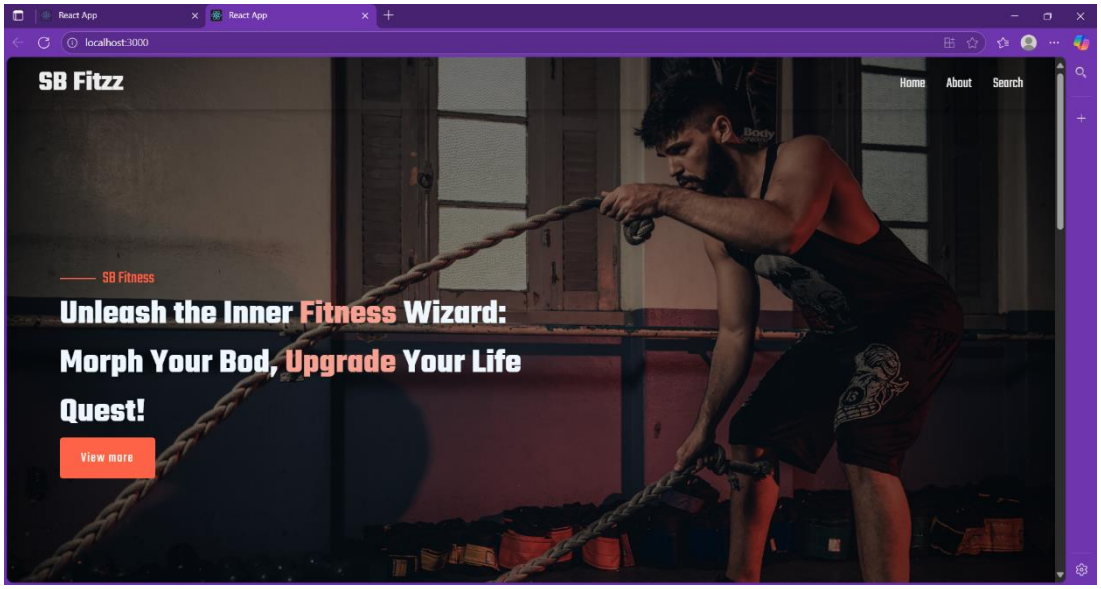
10. Testing

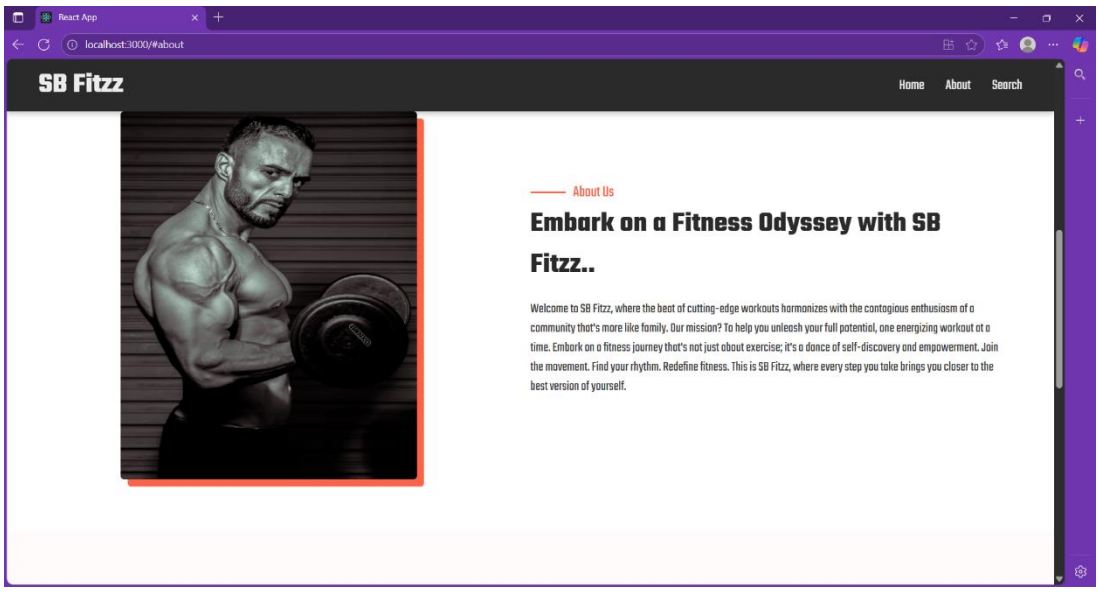
- Manual testing during milestones
- Tools: Postman, Chrome Dev Tools

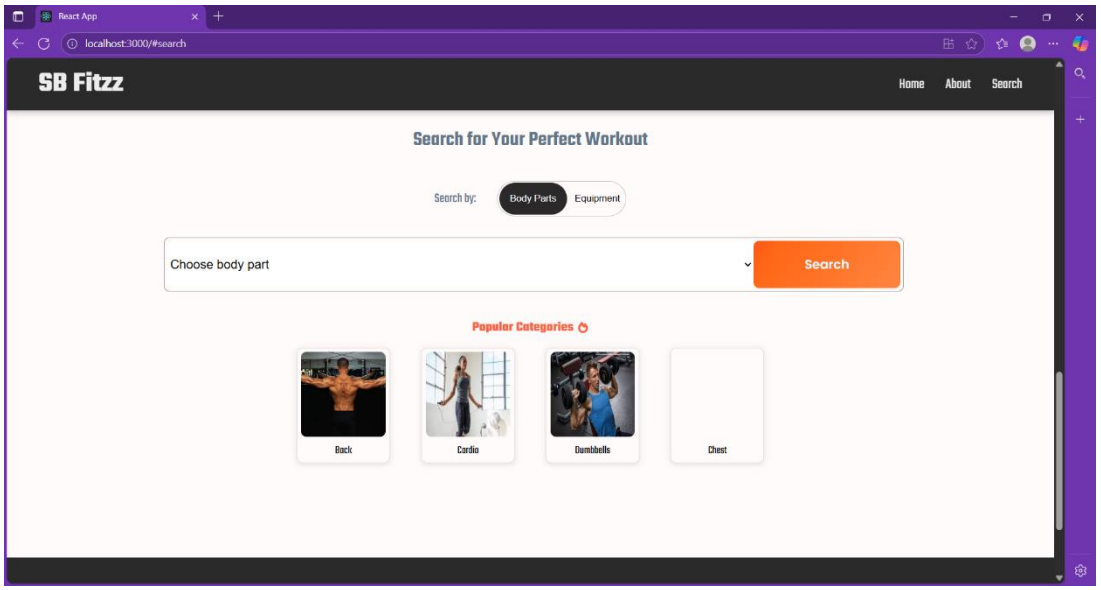
11. Screenshots or Demo




EXPLORER
CODE
node_modules
public
src
.gitignore
package-lock.json
package.json
README.md
Welcome
package-lock.json
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Run `npm audit` for details.
PS C:\Users\harish\Downloads\code-20250917T042231Z-1-001\code> npm start
> client@0.1.0 start
> react-scripts start
Browserslist: caniuse-lite is outdated. Please run:
npx update-browserslist-db@latest
Why you should do it regularly: https://github.com/browserslist/update-db#readme
(node:22004) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated.
Please use the 'setupMiddlewares' option.
(Use `node --trace-deprecation ...` to show where the warning was created)
(node:22004) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...
Compiled with warnings.
Warning
CHAT
Welcome to Copilot
Let's get started
Build workspace
Show project config
OUTLINE
TIMELINE
NPM SCRIPTS


React App
localhost:3000
SB Fitzz
Home
About
Search
SB Fitness
Unleash the Inner Fitness Wizard:
Morph Your Bod, Upgrade Your Life
Quest!
View more


React App
localhost:3000/#about
SB Fitzz
Home
About
Search
About Us
Embark on a Fitness Odyssey with SB Fitzz..
Welcome to SB Fitzz, where the beat of cutting-edge workouts harmonizes with the contagious enthusiasm of a community that's more like family. Our mission? To help you unleash your full potential, one energizing workout at a time. Embark on a fitness journey that's not just about exercise; it's a dance of self-discovery and empowerment. Join the movement. Find your rhythm. Redefine fitness. This is SB Fitzz, where every step you take brings you closer to the best version of yourself.



12. Known Issues

13. Future Enhancements

- Add payment gateway integration
- Implement real-time notifications
- Mobile app version
- AI-based project matching system