

1. Introduction

- **Project Title:** FitFlex: Your Personal Fitness Companion
 - **Team ID:** NM2025TMID47830
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2. Project Overview

- **Purpose:**

SB Works connects clients and freelancers through project postings, bidding, and real-time communication. It aims to simplify freelancing by providing a transparent and secure platform.
 - **Features:**
 - Project posting and bidding
 - Secure chat system
 - Feedback and review system
 - Admin control panel
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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
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4. Setup Instructions

- **Prerequisites:**
 - Node.js
 - MongoDB
 - Git
 - React.js
 - Express.js
 - Mongoose
 - Visual Studio Code

Installation Steps:

```
# Clone the repository
git clone https://github.com/your-repo/sb-works.git
```

```
# Install client dependencies
cd client
npm install
```

```
# Install server dependencies
cd ../server
npm install
```

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5. Folder Structure

```
SB-Works/
|-- client/      # React frontend
```

```
|   └─ components/
|   └─ pages/
|
|-- server/           # Node.js backend
|   └─ routes/
|   └─ models/
|   └─ controllers/
```

6. Running the Application

Frontend:

```
cd client
npm start
```

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Backend:

```
cd server
npm start
```

- - **Access:** Visit <http://localhost:3000>
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7. API Documentation

- **User:**
 - POST /api/user/register
 - POST /api/user/login
- **Projects:**
 - POST /api/projects/create
 - GET /api/projects/:id

- **Applications:**
 - `POST /api/apply`
 - **Chats:**
 - `POST /api/chat/send`
 - `GET /api/chat/:userId`
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8. Authentication

- JWT-based authentication for secure login
 - Middleware protects private routes
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9. User Interface

- Landing Page
 - Freelancer Dashboard
 - Admin Panel
 - Project Details Page
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10. Testing

- Manual testing during milestones
 - **Tools:** Postman, Chrome Dev Tools
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11. Screenshots or Demo

demo:[watch link](#)

Source code :[code](#)

12. Known Issues

- Limited error handling for failed chat delivery
 - No integrated payment gateway yet
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13. Future Enhancements

- Add integrated payment system
- AI-based freelancer recommendation
- Mobile app support
- Advanced analytics dashboard