

# Project Documentation

## FitFlex

### 1. Introduction

- **Project Title:** Fitflex
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### 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/

|\_\_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

## **12.Future Enhancements**

The future of fitness of focuses on creating highly personalized,immersive and integrated experiences that go beyond simple activity tracing.