## 1.Introduction

• Project Title:

FITFLEX:YOUR PERSONAL FITNESS COMPANION

• Team ID:

NM2025TMID41754

• Team Leader:

Name: NISHA.S

Mail id:nishasuresh1003@gmail.com

• Team Members:

Name: LITHIKA.M.S

Mail id:lithikamurali3@gmail.com

Name: MONISRI.N

Mail id:monisri.sdm123@gmail.com

Name: MADHUMITHA.D

Mail id:dkmadhumitha20122006@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 2

– 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

## 12.Known issues

## 13.Future enhancements