**Project Documentation**

Full Stack Development with MERN

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| --- | --- | --- | --- |
| Team  Id. | Project Name | Registration Number | Members |
| LTVIP2025TMID59358 | **Freelance Finder: Discovering Opportunities, Unlocking Potential** | 22FE1A05A7 | Medara Akshitha |
| 22FE1A1231 | Lingala Pujitha |
| 22FE1A0599 | Lakkimsetty Nandini |
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# Introduction

* **Project Title:** Freelancing Platform
* **Team Leader:** Medara Akshitha
* **Team Members:**
  + Lingamgunta Arjun
  + Lingala Pujitha
  + Lakkimsetty Nandini

# 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

# 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

# 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/arjun-babu-l/FREE_LANCE_FINDER>

# Install client dependencies cd client npm install

# Install server dependencies cd ../server npm install

# Folder Structure

SB-Works/

|-- client/ # React frontend

|\_\_components/

L\_\_ pages/

|\_\_ server/ # Node.js backend

|\_\_routes/

|\_\_ models/

|\_\_ controllers/

# Running the Application

* **Frontend:**

cd client npm start • **Backend:**

cd server npm start

* **Access:** Visit http://localhost:3000

# 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

# Authentication

* JWT-based authentication for secure login
* Middleware protects private routes

# User Interface

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

# Testing

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

# Screenshots or Demo

• **Demo Video:** [https://drive.google.com/file/d/1erdcudF8D00QyHEf0aMKioTAqW](https://drive.google.com/file/d/1erdcudF8D00QyHEf0aMKioTAqWa2AjDb/view?usp=sharing)a2AjDb/ [view?usp=sharing](https://drive.google.com/file/d/1erdcudF8D00QyHEf0aMKioTAqWa2AjDb/view?usp=sharing)

# Known Issues

* Minor bugs in chat feature
* Admin page styling incomplete

# Future Enhancements

* Add payment gateway integration
* Implement ratings and reviews
* Enable real-time messaging with Socket.io