▪ Full Stack Development with MERN

1. Introduction

Project Title: Freelancing Platform - SB Works .

Team Leader : Medara Akshitha

> ➤ **Team Members:**

- o Lingala Pujitha

- o Lakkimsetty Nandini

- o Lingamgunta Arjun

2. Project Overview

Purpose: SB Works connects clients with freelancers to post and bid on projects.

Features: Project posting, bidding, secure chat, feedback system, and admin panel.

3. Architecture

Frontend: React.js with Bootstrap and Material UI.

Backend: Node.js and Express.js for server logic and REST APIs.

Database: MongoDB for users, projects, applications, and chats.

4. Setup Instructions

Prerequisites: Node.js, MongoDB, Git, React.js, Express.js, Mongoose, VS Code.

Installation:

1. Clone the repo

2. Run `npm install` in client and server directories

3. Run `npm start` to launch dev servers

5. Folder Structure

Client: React components for dashboard, login, projects, etc.

Server: Express routes, APIs, and Mongoose models.

6. Running the Application:

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Frontend:

```
cd client
```

```
npm start
```

Backend:

```
cd server
```

```
npm start
```

7.   API Documentation

Endpoints for user registration, login, project creation, applications, chats.

Include methods, parameters, and sample responses.

8.   Authentication

JWT-based login and route protection.

Token managed using middleware.

9.   User Interface

Include screenshots of:

- Landing Page

- Freelancer Dashboard

- Admin Panel

- Project Details Page

10. Testing

Manual testing during milestones.

Tools: Postman, Browser Dev Tools.

11. Screenshots or Demo

Demo Video:

https://drive.google.com/file/d/1erdcudF8D00QyHEf0aMKioTAqWa2AjDb/view?usp=sharing

Known Issues:

Document any existing bugs or pending features.

12. Future Enhancements

Add secure payment gateway.

Add freelancer rating and review system.

Improve real-time messaging with socket.io.

Article II.