

Project Documentation

Project title

1. Introduction

- Project Title: Cook Book: your virtual kitchen assistant
- Team ID: NM2025TMID42358
- Team Leader: P.Lakshmipriya & lakshmipriya182007@gmail.com
- Team Members:
 - N.Kaviya & kaviyaiyappan123@gmail.com
 - P.Leenavathi & leenaleenavathi95@gmail.com
 - S.Madhumitha & mathumithasiva90@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
- 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