

# Project Documentation

## CookBook:Your Virtual Kitchen Assistant

### 1. Introduction

- Project Title: CookBook: Your Virtual Kitchen Assistant
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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/creat
- /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**

A Demo of how to use the nan mudhalvan training

A screenshot of the nan mudhalvan portal(like dashboard,login page,etc.)

## **12. Known Issues**

Website or App Performance issues

Slow loading times

Occasional downtime or server error

## **13. Future Enhancements**

- Use AI to suggest courses based on user skills, interest