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/
     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