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