ProjectDocumentation
CookBook-Your Virtual Kitchen Assistant

1.   Introduction

- **ProjectTitle: CookBook-Your Virtual Kitchen Assistant**

- **Team Leader: Agalya s**

- **Team Members: Kaviya A**

- **Team Members: Renuga M**

- **Team Members:Kaliyammal M**

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

2.   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

3.   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

4. FolderStructure

```
SB-Works/
|-- client/                #React frontend
    |components/ L
     ____pages/
|__server/                 #Node.js backend
    |routes/
       |__models/
        |__controllers/
```

5. Running the Application

- **Frontend:**

  cd   client

  npm   start •
- **Backend:**

  cd server npm
  start

- **Access:** Visit http://localhost:3000
6. 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

7. Authentication

- JWT-based authentication for secure login

- Middleware protects private routes

8. User Interface

- Landing Page

- Freelancer Dashboard

- Admin Panel

- Project Details Page

9. Testing

- Manual testing during milestones

- Tools: Postman, Chrome DevTools

10. Screenshots or Demo