

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 Boot strap 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

• Chats

- /api/chat/send

/api/chat/:userId

8. Authentication

- JWT-based authentication for secure login
- Middle ware 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

