**Project Documentation**

1. **Introduction**

**A cookbook is a collection of recipes and culinary instructions designed to guide readers in preparing food.**

* **Project Title:**cookbook
* **Team ID :** NM2025TMID40438
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**2. Project Overview**

**Purpose:**  The purpose of a cookbook is to provide a collection of recipes and instruction for preparing food.

1. **Features:**

* Systematic organization of recipes(by course,ingredient,difficulty,etc.)
* Clear recipe instructions with ingredients and preparation steps
* Technical cooking tips and equipment recommendations
* Nutritional data and food safety guidelines
* Cultural ,historical,or regional culinary context

**3. Architecture**

1. **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

**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/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 https://drive.google.com/file/d/1aHNvo\_qoUUBW1zL2tdSYuX3V9igI-aUG/view?usp=sharing**

**12.Known Issues**

**13.Future Enhancements**