

# Project Documentation

## COOKBOOK-YOUR VIRTUAL KITCHEN ASSISTANT

### 1. Introduction

- **Project Title:**cookbook-your kitchen assistant
- **Team ID:**NM2025TMID35502
- **Team Leader:**

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### 2. Project Overview

**Purpose:** The primary purpose of a "Cookbook your virtual kitchen assistant" is to simplify and enhance the cooking experience for users by providing a digital platform to manage recipes, receive step-by-step guidance, and offer smart features like AI recipe customization, meal planning, and smart ingredient recognition. These assistants cater to all skill levels, from beginners to professionals, offering hands-free operation via voice commands or other interactive methods to make cooking more accessible, productive, and enjoyable.

- **Features:**

A recipe library for browsing and managing recipes.

Step-by-step cooking instructions.

A responsive design and user-friendly interface.

Technical details, including the use of frameworks like React.js

### 3. Architecture

- **Frontend:** React.js,node.js
- **Backend:** mongodb

- **Database:**

## 4. Setup Instructions

- **Prerequisites:**
  - Node.js
  - MongoDB
  - Git
  - React.js
  - Express.js – Mongoose – Visual Studio Code
- **Installation Steps**
- **npm install**
- **npm start**

## 5. Folder Structure

```

SB-Works/
|-- client/                # React frontend
    |_components/
        |_pages/
|-- server/                # Node.js backend
    |_routes/
        |_models/
        |_controllers/

```

## 6. Running the Application

- **Frontend:**

**Node. Js**

**Vsc**

**Code**

**Backend:**

Mongodb

- **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

- github
- whatsapp
- chorme
- google drive

## 10. Testing

- Manual testing during milestones
- Tools: Postman, Chrome Dev Tools

## 11. Screenshots or Demo

