

# Project Documentation

## CookBook: Your Virtual Kitchen Assistant

### 1. Introduction

- Project Title: CookBook: Your Virtual Kitchen Assistant
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### 2. Project Overview

- **Purpose:** CookBook is a virtual kitchen assistant that helps users explore recipes, browse categories, and manage cooking ideas in an interactive and user-friendly way.
- **Features:**
  - Homepage with hero section
  - Recipe details page
  - Category-based recipe browsing
  - About section
  - Newsletter subscription
  - Responsive navigation bar and footer

### 3. Architecture

- Frontend: React.js with CSS modules
- Backend: None (Frontend-only project)
- Database: None

### 4. Setup Instructions

- Prerequisites:
  - Node.js
  - Npm
  - Visual Studio Code

- Installation Steps:  
# Clone the repository git clone  
    <repository-url> cd code  
# Install dependencies  
    npm install  
# Run the application  
    npm start

## 5. Folder Structure

```
code/  
  package.json  
  README.md  
src/  
  App.js  
  index.js  
pages/  
  Home.jsx  
  Category.jsx  
  Recipie.jsx  
components/  
  Navbar.jsx  
  Hero.jsx  
  Footer.jsx  
  CategoriesHome.jsx  
  About.jsx  
  NewsLetter.jsx  
styles/  
  *.css  
images/  
  hero-img1.png  
  hero-img2.png  
  hero-img3.png  
  hero-img4.png  
public/  
  index.html
```

favicon.ico  
manifest.json

## 6. Running the Application

- Run the following command inside the project folder: npm start
- Access: Visit <http://localhost:3000>

## 7. API Documentation

This is a frontend-only project and does not include API endpoints.

## 8. Authentication

No authentication system is implemented in this project.

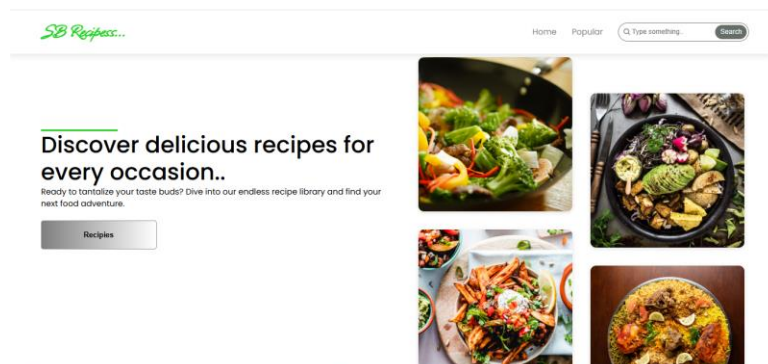
## 9. User Interface

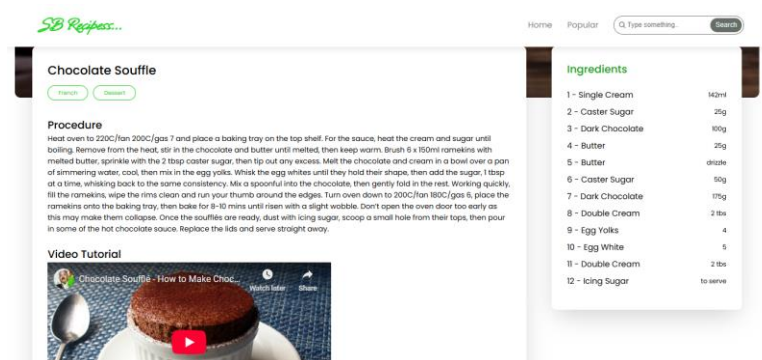
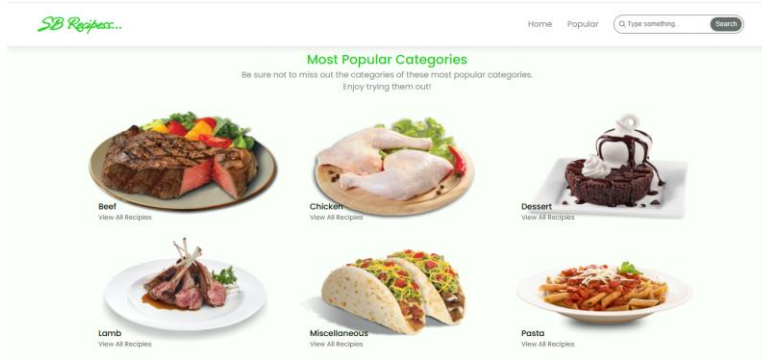
- Landing Page with hero image
- Recipe Page to display cooking instructions
- Categories Page for browsing
- About Page
- Newsletter subscription
- Navigation bar and Footer for navigation

## 10. Testing

- Basic testing with React Testing Library.
- Manual testing performed using browser.

## 11. Screenshots





## 12. Known Issues

Currently no major issues reported. Minor CSS alignment issues may occur on small devices.

## 13.Future Enhancements

- Add user authentication and profile management
- Implement backend with database for recipe storage
- Add search functionality for recipes
- Enable users to submit their own recipes