

COOKBOOK

YOUR VIRTUAL KITCHEN ASSISTANT

DOCUMENTATION:

I. INTRODUCTION

PROJECT TITLE:

➤ YOUR VIRTUAL KITCHEN ASSISTANT

TEAM MEMBERS:

- Rajasekar-Team Leader
- Praveen kumar-Team Member
- Navas-Team Member
- Vamsi-Team Member
- Danesh-Team Member

II. PROJECT OVERVIEW

PURPOSE:

This project is a React application built using Create React App. It provides a structured way to build modern web applications with React features.

- Search and save recipes
- Generate grocery lists based on recipes
- Step-by-step cooking instructions
- Personalized meal planning

III. ARCHITECTURE

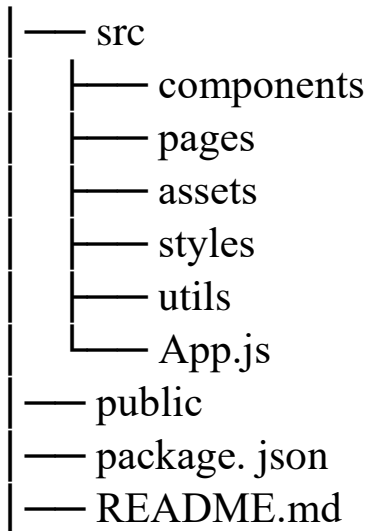
- Frontend: React.js
- State Management: React State (or possibly Redux if used)

- Styling: CSS or a styling library like styled-components or Tailwind CSS
- API Calls: Uses the request package for HTTP requests
- Testing: Jest & React Testing Library (default in Create React App)

IV. SETUP INSTRUCTIONS

- Clone the repository:
git clone <repository-URL>
cd <project-folder>
- Install dependencies:
NPM install
- Start the development server:
NPM start

V. FOLDER STRUCTURE



VI. RUNNING THE APPLICATION

- Development Mode:
NPM run build
- Run Tests:
NPM test

VII. COMPONENTS DOCUMENTATION

- Components are stored in /src/components and follow a modular structure:
 1. Header.js - Navigation bar
 2. Footer.js - Footer section
 3. Button.js - Reusable button component
 4. Form.js - Form component for user input

VIII. STATE MANAGEMENT

If Redux is used, state is managed using:

- Actions - Define events to modify the state.
- Reducers - Define how the state changes based on actions.
- Store - Centralized state storage.
- If using Reacts built-in state:
 - a. use State for local component state.
 - b. use Context for global state sharing.

IX. USER INTERFACE

- The UI is structured using reusable components. The app follows a responsive design for compatibility across devices.

X. STYLING

- Styles are maintained in /src/styles.

XI. TESTING

- Test & React Testing Library:
NPM test

XII. SCREENSHOT OR DEMO

- [INSERT SCREENSHOT OR A LINK TO THE LIVE DEMO]

XIII. KNOWN ISSUES

- API rate limits might affect real-time updates.
- UI responsiveness needs improvements on smaller screen.

XIV. FUTURE ENHANCEMENTS

- Add dark mode
- Improve UI/UX with animations
- Implement a backend API