

Project Documentation

Cookbook your virtual kitchen assistant

1. *Introduction*

- **Project Title: cookbook your virtual kitchen assistant**
- **Team ID :NM2025TMID32692**
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2. Project Overview

- ❖ Purpose: the cookbook application is designed to simplify meal preparation by preparing a virtual kitchen assistant
- ❖ Users can browse, save, manage their favourite recipes with detailed instructions And ingredients list

Features:

- ❖ Extensive recipe library with search & filter options
- ❖ Step by step cooking instructions
- ❖ Bookmark features for favourite recipes
- ❖ Light/dark mode for enhanced visual comfort
- ❖ Responsive design for optimal viewing on all devices
- ❖ Ingredients checklist for easy shopping and preparations

4. Setup Instructions

Prerequisites:

- Node.js(v18 or higher)
- npm or yarn

Installation:

1. clone the Repository

'git clone

<https://GitHub.com/thulasidharanikankac011/cookbook-app.git>'

2. Install Dependencies

'npm install'

3.create.env file:

'React-App-RECIPE-API-KEY'

4.Run the Application

'npm start'

6.Running the Application:

Frontend server command:'npm start'

7.Component Documentation

Key components:

Header:provides Navigation and search functionality

RecipeList: Displays available recipes categorised by type

RecipeCard: Displays individual recipe details

Recipe details:offers step-by-step instructions

Reusable components:

Button Component:used for actions like 'view Recipe' or 'Bookmark'

Modal component: Displays detailed recipe information

8.State Management

Global state:Managed via context API

Local state:Managed using React's 'usr state()'

9.User Interface

-Clean and intuitive layout optimised for smooth navigator

-Mobile -first design for seamless browsing

-Elegant Light/Dark mode toggle for improved accessibility

10.Styling

Css Frameworks/Libraries:Tailwind css
Theming:Integrated light/dark mode

11.testing

Testing strategy:

Jest for unit testing

React Testing Library for Component testing

Code Coverage:Ensured high test coverage with
Jest reports

12.Screenshots or Demo

Screenshots: