

Project Documentation

Project Title: Cook Book

Team ID: NM2025TMID28782

Team Leader: S. Rubika

Email: rubikasathiyanarayanan702@gmail.com

Team Members:

- M. Pavithra (pavithramuthukrishnan2@gmail.com)
- M. Ashabhavanaa (ashabhavanaa@gmail.com)
- U. Dharshini (dharshiniu468@gmail.com)

Introduction

Cook Book is a React-based frontend application designed to help users browse, search, and learn recipes. The purpose of this project is to provide a simple, user-friendly cooking guide with categorized recipes, video tutorials, and step-by-step instructions.

Objectives

- To provide an interactive platform for users to discover recipes.
- To integrate YouTube tutorials for better cooking guidance.
- To ensure easy navigation between different recipe categories.
- To make the UI simple, modern, and mobile-friendly.

Features

- Recipe Categories: Starters, Main Course, Desserts, Beverages, etc.
- Search Recipes: Search by name, ingredients, or category.
- Video Integration: Embedded cooking tutorials using React-YouTube.
- Responsive UI: Works on desktop, tablet, and mobile.
- Favorites: Option to bookmark/save recipes.

Architecture

- Frontend: React.js with React Router, Axios, React Icons, React-YouTube.
- Backend (optional): Can integrate APIs for fetching recipes.
- Database (optional): For storing recipes and user favorites (future enhancement).

System Requirements

Hardware:

- Minimum 4 GB RAM
- Processor: Intel i3 or above

Software:

- Node.js (Latest LTS version)
- npm package manager
- VS Code or equivalent code editor
- Git

Setup Instructions

1. Clone the repository: `git clone`
2. Navigate to project: `cd client`
3. Install dependencies: `npm install`
4. Run development server: `npm start`
5. Access: `http://localhost:3000`

Folder Structure

```
CookBook/  
■■■ src/  
■ ■■■ components/ # Reusable UI components  
■ ■■■ pages/ # Pages (Home, Categories, RecipeDetails)  
■ ■■■ App.js # Root app file  
■■■ public/ # Static assets  
■■■ package.json # Project dependencies  
■■■ README.md # Project guide
```

Dependencies

- react (18.2.0): Core library for UI
- react-dom (18.2.0): Rendering React components
- react-router-dom (6.21.0): For navigation
- axios (1.6.2): Fetch recipes from APIs
- react-icons (4.12.0): Icons for UI
- react-youtube (10.1.0): Video tutorials
- web-vitals (2.1.4): Performance monitoring
- react-scripts (5.0.1): Build and run scripts

Testing

- Manual Testing: Browser compatibility, UI responsiveness
 - Automated Testing: Using Jest + React Testing Library
- Run: `npm test`

Deployment

Build for production: `npm run build`
Deployed build available in `/build` folder.

Future Enhancements

- Add user authentication to save favorite recipes
- Provide ingredient-based search with filters
- Add shopping list generator
- Support multi-language recipes
- Integrate with a real recipe API (e.g., Spoonacular)

SB Recipess...

Home Popular

Type something

Search

Discover delicious recipes for every occasion..

Ready to tantalize your taste buds? Dive into our endless recipe library and find your next food adventure.

Recipies



File

Edit

Selection

View

Go

...

←

→

cook book

EXPLORER

COOK BOOK

code

node_modules

public

src

.gitignore

package-lock.json

package.json

README.md

Start

New File...

Open File...

Open Folder...

Connect to...

Generate New Workspace...

Walkthroughs

Get started with ...

Customize your editor, learn the basics, and start coding

Learn the Funda...

Recent

You have no recent folders.

open a folder to start.

cd

Build Workspace

Show Config

Review AI output carefully before use.

powerShell

WARNING in ./src/styles/Newsletter.css (/node_modules/css-loader/dist/cjs.js??ruleSet[1].rules[1].oneOf[5].use[1]!./node_modules/postcss-loader/dist/cjs.js??ruleSet[1].rules[1].oneOf[5].use[2]!./node_modules/source-map-loader/dist/cjs.js!./src/styles/Newsletter.css)

Module Warning (from ./node_modules/postcss-loader/dist/cjs.js):

Warning

(99:5) autoprefixer: start value has mixed support, consider using flex-start instead

webpack compiled with 2 warnings