

Frontend Development with React.js

Introduction

Cookbook: Your Virtual Kitchen Assistant

Team Members

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Project Overview

Purpose

The **Cookbook** web application is designed to revolutionize how users discover, organize, and create recipes. It caters to novice and professional chefs by providing an intuitive and feature-rich platform that enhances culinary experiences.

Goals

- **User-Friendly Experience:** Ensure a seamless and engaging experience for users of all cooking levels.
- **Recipe Discovery:** Offer a diverse collection of recipes with filtering and search capabilities.
- **Customization:** Allow users to modify recipes based on dietary preferences and available ingredients.
- **Interactivity:** Provide features like ingredient substitution, cooking timers, and shopping lists.
- **Scalability:** Build a platform that can support a growing database of recipes and users.

Features

- 1. User-Friendly Interface – A clean, intuitive design that allows users to navigate recipes easily.

- 2. Recipe Categories – Categorized sections for easy browsing (e.g., Breakfast, Lunch, Dinner, Desserts).
- 3. Search and Filtering – Users can search recipes by name, ingredient, cuisine, or cooking time.
- 4. Recipe Details Page – Displays ingredients, step-by-step instructions, images/videos, and nutritional info.
- 5. Interactive Media – High-quality images and video tutorials for better guidance.
- 6. Favourites & Bookmarks – Users can save recipes for quick access later.
- 7. Shopping List Generator – Allows users to add ingredients from recipes to a shopping list.
- 8. Responsive Design – Optimized for various devices (mobile, tablet, desktop).
- 9. Dark Mode & Theme Customization – Personalization options for user preference.
- 10. Community & Reviews – Users can rate recipes, leave comments, and share experiences..

Architecture

Component Structure

Main Components: Recipe List, Recipe Detail, AddRecipe, Edit Recipe, Favourites, Search Bar.

Layout Components: Header, Footer, Sidebar for navigation and filtering. Reusable UI Components: Button, Card, Modal, Input Field for consistency.

State Management

Local State: Managed with useState for UI interactions.

Global State: Context API for authentication & user settings, or Redux for large-scale applications.

Server State: Managed with React Query / SWR for fetching recipes from an API.

Routing Structure (React Router)

Public Routes:

/ (Home - Recipe List)

/recipe/:id (Recipe Details)

/search (Search Results)

Private Routes (Authenticated Users Only):

/add-recipe (Add New Recipe)

/edit-recipe/:id (Edit Recipe)

/favorites (Saved Recipes)

Fallback: * (404 Not Found).

Setup Instructions

Prerequisites

Before setting up the **Cookbook** application, ensure you have the following dependencies installed:

1. Node.js & npm – Required for running JavaScript and managing packages.
2. React.js – The core framework for building the user interface.
3. React Router Dom – Enables navigation between different pages.
4. Axios – Handles API requests to fetch recipe data.
5. CSS Framework (Bootstrap/Tailwind CSS) – Provides styling and responsive design.
6. Code Editor (VS Code recommended) – For writing and managing code efficiently.

Installation

1. Clone the Repository

```
git clone https://github.com/your-repo/cookbook.git
cd cookbook
```

2. Install Dependencies

```
npm install
```

3. Configure Environment Variables

- Create a **.env** file in the project root directory.
- Add the following variables and update them with your API keys:

```
REACT_APP_API_URL=https://www.themealdb.com/api/json/v1/1
```

4. Start the Development Server

Run the application locally:

```
npm start
```

Folder Structure

Client:

```
cookbook-app/
```

```
— public/
— src/
  — assets/
  — components/
  — pages/
  — hooks/
  — utils/
  — context/
  — services/
  — App.js
  — index.js
— package.json
— README.md
```

Client (React Application) Organization

1. src/ - Main Source Folder

Contains the core code for the React application.

2. assets/ - Static Resources

Stores images, icons, fonts, and styles.

Example: /assets/images/recipe.jpg

3. components/ - Reusable UI Components

Houses modular UI elements used across multiple pages.

Example:

RecipeCard.js – Displays a single recipe preview.

Navbar.js – Navigation bar.

Footer.js – Footer section.

4. pages/ - Page-Level Components

Contains full-page components mapped to routes.

Example:

Home.js – Homepage with featured recipes.

RecipeDetail.js – Detailed recipe view.

Favorites.js – User's saved recipes.

5. hooks/ - Custom React Hooks

Encapsulates reusable logic using hooks.

Example:

useFetchRecipes.js – Fetches recipes from an API.

useLocalStorage.js – Manages user preferences and saved recipes.

6. utils/ - Helper Functions & Utility Classes

Stores helper functions for better code reusability.

Example:

formatDate.js – Formats dates consistently.

calculateCalories.js – Computes total calories from ingredients.

7. context/ - Global State Management

Handles shared state across components using React Context API.

Example:

RecipeContext.js – Manages recipe data globally.

ThemeContext.js – Controls dark/light mode settings.

8. services/ - API Calls & Data Handling

Manages all API requests.

Example:

recipeService.js – Fetches recipe data from an API.

Utilities

1. Custom Hooks (hooks/) – Encapsulate reusable logic, like fetching recipes (useFetchRecipes.js).
2. Helper Functions (utils/) – Handle tasks like formatting dates (formatDate.js) or calculating calories (calculateCalories.js).

Running the Application

1. Install Dependencies

Before running the application, ensure that all required dependencies are installed. Navigate to the project directory and run:

```
cd cookbook-app  
npm install
```

This installs all necessary packages from package.json.

2. Start the Frontend Server

Once the dependencies are installed, start the development server:

```
npm start
```

This will:

Compile the React application.

Open it in the browser at <http://localhost:3000/> by default.

Enable live reloading, so any code changes reflect automatically.

3. Troubleshooting

If npm start doesn't work, try:

```
npm cache clean --force  
npm install  
npm start
```

Ensure Node.js and npm are installed (node -v and npm -v to check).

Component Documentation

Key Components

These are the major components that play a crucial role in the application:

1. RecipeCard.js

Purpose: Displays a preview of a recipe, including an image, title, and a short description.

Props:

title (string) – Recipe name

image (string) – URL of the recipe image

description (string) – Brief details about the recipe

onClick (function) – Handles user clicks

2. RecipeDetail.js

Purpose: Shows full details of a selected recipe, including ingredients and steps.

Props:

recipe (object) – Contains full recipe details (title, ingredients, steps, image, etc.)

3. Navbar.js

Purpose: Provides navigation links to different sections of the application.

Props: None (usually static but may accept user info for authentication-based menus).

4. Favorites.js

Purpose: Displays a list of recipes that the user has marked as favorites.

Props:

favoriteRecipes (array) – List of saved recipes

Reusable Components

These components are designed for reuse across multiple pages.

1. Button.js

Purpose: A customizable button used throughout the app.

Props:

label (string) – Text displayed on the button

onClick (function) – Action triggered on click

type (string) – Button type (e.g., primary, secondary)

2. SearchBar.js

Purpose: Allows users to search for recipes by keyword.

Props:

onSearch (function) – Handles search input changes

3. Modal.js

Purpose: Displays pop-up content (e.g., recipe instructions or alerts).

Props:

isOpen (boolean) – Controls visibility

onClose (function) – Closes the modal

children (node) – Content inside the modal

State Management

Global State Management

Global state is used to manage data shared across multiple components, ensuring consistency throughout the application. In this project, React Context API (or optionally Redux) can be used to handle global state.

Implementation using Context API

1. Create a Context (RecipeContext.js)

Manages recipe data, user preferences, and favorites.

2. Provide Context in App.js

Wraps the entire application, making state accessible to all components.

3. Consume Context in Components

Components like `RecipeList.js` and `Favorites.js` use this global state.

Example:

```
const RecipeContext = createContext();

export const RecipeProvider = ({ children }) => {
  const [recipes, setRecipes] = useState([]);
  const [favorites, setFavorites] = useState([]);

  return (
    <RecipeContext.Provider value={{ recipes, setRecipes, favorites, setFavorites }}>
      {children}
    </RecipeContext.Provider>
  );
};
```

Local State Management

Local state is used for managing temporary component-specific data, like form inputs, toggles, or modals. This is handled using `useState` inside individual components.

Examples of Local State Usage

1. Managing a search query in `SearchBar.js`

```
const [searchQuery, setSearchQuery] = useState("");

const handleSearch = (event) => {
  setSearchQuery(event.target.value);
};
```

2. Toggling a modal in `Modal.js`

```
const [isOpen, setIsOpen] = useState(false);

const toggleModal = () => {
  setIsOpen(!isOpen);
};
```

How State Flows in the Application

1. Global State (RecipeContext.js) stores all recipes and favorite recipes.
2. Context Provider (App.js) wraps components, making global state available.
3. Components like RecipeList.js consume this state to display recipes.
4. Local State (useState) manages UI-specific interactions like modals and search input.

User Interface

UI Features to Showcase

1. Home Page

Displays featured recipes with a search bar.

Screenshot: Show a clean layout with recipe cards and a navigation bar.

2. Recipe List Page

Displays a grid/list of recipes with images and short descriptions.

Screenshot: Show filtering and sorting options in action.

3. Recipe Detail Page

Full recipe details, including ingredients, steps, and images.

Screenshot: Highlight step-by-step instructions and a "Save to Favorites" button.

4. Favorites Page

Displays recipes the user has bookmarked.

Screenshot: Show a grid of saved recipes.

5. Search & Filter

Demonstrates how users can search and filter recipes.

GIF: Show live filtering as users type or select categories.

6. Add Recipe Form (if applicable)

A form for users to submit new recipes.

Screenshot: Show input fields for title, ingredients, steps, and an image upload option.

7. Dark Mode Toggle (if included)

Demonstrates UI switching between light and dark themes.

GIF: Show a smooth transition between themes.

Styling

1. Setup Styling

CSS/SASS: Create a styles/global.scss file and use variables.

```
$primary-color: #ff6b6b;  
body { background: #f5f5f5; color: #333; }  
.button { background: $primary-color; padding: 10px 20px; }
```

Install SASS: `npm install sass`

Styled-Components (CSS-in-JS): Install & use component-based styles.

`npm install styled-components`

```
import styled from 'styled-components';  
const Button = styled.button`background: #ff6b6b; color: white;`;
```

2. Global Theming (Light/Dark Mode)

Context API + CSS Variables:

```
export const ThemeProvider = ({ children }) => {  
  const [theme, setTheme] = useState("light");  
  return (  
    <ThemeContext.Provider value={{ theme, toggleTheme }}>  
      <div className={theme}>{children}</div>  
    </ThemeContext.Provider>  
  );  
};
```

```
.light { --bg: #fff; --text: #333; }  
.dark { --bg: #222; --text: #fff; }  
body { background: var(--bg); color: var(--text); }
```

3. Responsive Design

Use CSS Grid & Flexbox

Media Queries for mobile:

```
@media (max-width: 768px) { .recipe-grid { grid-template-columns: 1fr; } }
```

4. Animations & Transitions

CSS Transitions:

```
.button { transition: background 0.3s; }  
.button:hover { background: #ff3b3b; }
```

Framer Motion (React Animations):

```
npm install framer-motion
```

```
<motion.div initial={{ opacity: 0 }} animate={{ opacity: 1 }} transition={{ duration: 1 }}>  
  <h1>Cookbook</h1>  
</motion.div>
```

5. Reusable Components

Example: Custom Button

```
const Button = styled.button`  
  background: ${({ variant }) => (variant === "primary" ? "#ff6b6b" : "#6b6bff")};  
  padding: 10px 20px;  
`;  
`;
```

Usage:

```
<Button variant="primary">Save</Button>
```

6. Deployment & Final Touches

Optimize images & animations

Build for production:

```
npm run build
```

Deploy on Netlify/Vercel

Theming

Theming and Custom Design

The CookBook application incorporates theming and custom design elements to enhance user experience and maintain visual consistency.

1. CSS Frameworks

- The app supports **Bootstrap** or **Tailwind CSS** for responsive design and pre-built UI components.
- Developers can install their preferred framework:

2. Custom Styling

- A dedicated **Styles** folder is used for maintaining CSS files.
- The application follows a **modular CSS approach**, where styles are applied at the component level.

3. Dark/Light Mode (Optional)

- Theming can be extended using **CSS variables** or libraries like **Styled Components** to support dark and light modes.
- Example using Tailwind for dark mode

Testing

Testing Strategy:

The goal of testing is to ensure the application functions correctly at different levels:

- Unit Testing → Tests individual components/functions (Jest, React Testing Library)
- Integration Testing → Tests interaction between multiple components (React Testing Library)
- End-to-End (E2E) Testing → Tests full workflows (Cypress, Playwright)
- Code Coverage → Ensures all critical code paths are tested (Jest Coverage, Istanbul)

Coding

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <meta name="theme-color" content="#000000" />
    <meta
      name="description"
      content="Web site created using create-react-app"
    />
    <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />
    <!--
      manifest.json provides metadata used when your web app is installed on a
      user's mobile device or desktop. See https://developers.google.com/web/fundamentals/web-app-
      manifest/
    -->
    <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
    <!--
      Notice the use of %PUBLIC_URL% in the tags above.
```

It will be replaced with the URL of the `public` folder during the build.
Only files inside the `public` folder can be referenced from the HTML.

Unlike `"/favicon.ico"` or `"favicon.ico"`, `"%PUBLIC_URL%/favicon.ico"` will work correctly both with client-side routing and a non-root public URL.

Learn how to configure a non-root public URL by running ``npm run build``.

```
-->
```

```
<title>React App</title>
```

```
</head>
```

```
<body>
```

```
<noscript>You need to enable JavaScript to run this app.</noscript>
```

```
<div id="root"></div>
```

```
<!--
```

This HTML file is a template.

If you open it directly in the browser, you will see an empty page.

You can add webfonts, meta tags, or analytics to this file.

The build step will place the bundled scripts into the `<body>` tag.

To begin the development, run ``npm start`` or ``yarn start``.

To create a production bundle, use ``npm run build`` or ``yarn build``.

```
-->
```

```
</body>
```

```
</html>
```

```
----
```

Css

```
{
  "short_name": "React App",
  "name": "Create React App Sample",
  "icons": [
    {
      "src": "favicon.ico",
      "sizes": "64x64 32x32 24x24 16x16",
      "type": "image/x-icon"
    },
    {
      "src": "logo192.png",
      "type": "image/png",
      "sizes": "192x192"
    },
    {
      "src": "logo512.png",
      "type": "image/png",
      "sizes": "512x512"
    }
  ],
  "start_url": ".",
  "display": "standalone",
```

```
"theme_color": "#000000",
"background_color": "#ffffff"
}
--
```

```
# https://www.robotstxt.org/robotstxt.html
User-agent: *
Disallow:
```

App Js

```
import './App.css';
import Navbar from './components/Navbar';
import Footer from './components/Footer';
import { Route, Routes } from 'react-router-dom';

import Home from './pages/Home';
import Category from './pages/Category';
import Recipie from './pages/Recipie';

function App() {
  return (
    <div className="App">
      <Navbar />

      <Routes>

        <Route path="/" element={<Home />} />
        <Route path="/category/:id" element={<Category />} />
        <Route path="/recipie/:id" element={<Recipie />} />
      </Routes>

      <Footer />
    </div>
  );
}

export default App;

--

import { render, screen } from '@testing-library/react';
import App from './App';

test('renders learn react link', () => {
  render(<App />);
  const linkElement = screen.getByText(/learn react/i);
  expect(linkElement).toBeInTheDocument();
});
```

See <https://help.github.com/articles/ignoring-files/> for more about ignoring files.

dependencies
/node_modules
/.pnp
.pnp.js

testing
/coverage

production
/build

misc
.DS_Store
.env.local
.env.development.local
.env.test.local
.env.production.local

npm-debug.log*
yarn-debug.log*
yarn-error.log*

Package j.son

```
{
  "name": "client",
  "version": "0.1.0",
  "private": true,
  "dependencies": {
    "@testing-library/jest-dom": "^5.17.0",
    "@testing-library/react": "^13.4.0",
    "@testing-library/user-event": "^13.5.0",
    "axios": "^1.6.2",
    "react": "^18.2.0",
    "react-dom": "^18.2.0",
    "react-icons": "^4.12.0",
    "react-router-dom": "^6.21.0",
    "react-scripts": "5.0.1",
    "react-youtube": "^10.1.0",
    "web-vitals": "^2.1.4"
  },
  "scripts": {
    "start": "react-scripts start",
    "build": "react-scripts build",
    "test": "react-scripts test",
    "eject": "react-scripts eject"
  },
  "eslintConfig": {
```



```
"extends": [
  "react-app",
  "react-app/jest"
],
},
"browserslist": {
  "production": [
    ">0.2%",
    "not dead",
    "not op_mini all"
  ],
  "development": [
    "last 1 chrome version",
    "last 1 firefox version",
    "last 1 safari version"
  ]
}
```

README (1).md

Getting Started with Create React App

This project was bootstrapped with [Create React App](<https://github.com/facebook/create-react-app>).

Available Scripts

In the project directory, you can run:

```
### `npm start`
```

Runs the app in the development mode.\

Open <http://localhost:3000> to view it in your browser.

The page will reload when you make changes.\

You may also see any lint errors in the console.

```
### `npm test`
```

Launches the test runner in the interactive watch mode.\

See the section about [running tests](<https://facebook.github.io/create-react-app/docs/running-tests>) for more information.

```
### `npm run build`
```

Builds the app for production to the `build` folder.\

It correctly bundles React in production mode and optimizes the build for the best performance.

The build is minified and the filenames include the hashes.\

Your app is ready to be deployed!

See the section about [deployment](<https://facebook.github.io/create-react-app/docs/deployment>) for more information.

`npm run eject`

****Note:** this is a one-way operation. Once you `eject`, you can't go back!**

If you aren't satisfied with the build tool and configuration choices, you can `eject` at any time. This command will remove the single build dependency from your project.

Instead, it will copy all the configuration files and the transitive dependencies (webpack, Babel, ESLint, etc) right into your project so you have full control over them. All of the commands except `eject` will still work, but they will point to the copied scripts so you can tweak them. At this point you're on your own.

You don't have to ever use `eject`. The curated feature set is suitable for small and middle deployments, and you shouldn't feel obligated to use this feature. However we understand that this tool wouldn't be useful if you couldn't customize it when you are ready for it.

Learn More

You can learn more in the [Create React App documentation](<https://facebook.github.io/create-react-app/docs/getting-started>).

To learn React, check out the [React documentation](<https://reactjs.org/>).

Code Splitting

This section has moved here: <https://facebook.github.io/create-react-app/docs/code-splitting>

Analyzing the Bundle Size

This section has moved here: <https://facebook.github.io/create-react-app/docs/analyzing-the-bundle-size>

Making a Progressive Web App

This section has moved here: <https://facebook.github.io/create-react-app/docs/making-a-progressive-web-app>

Advanced Configuration

This section has moved here: <https://facebook.github.io/create-react-app/docs/advanced-configuration>

Deployment

This section has moved here: <https://facebook.github.io/create-react-app/docs/deployment>

`npm run build` fails to minify

This section has moved here: <https://facebook.github.io/create-react-app/docs/troubleshooting#npm-run-build-fails-to-minify>

Package lock j.son

```
{
  "name": "client",
  "version": "0.1.0",
  "lockfileVersion": 3,
  "requires": true,
  "packages": {
    "": {
      "name": "client",
      "version": "0.1.0",
      "dependencies": {
        "@testing-library/jest-dom": "^5.17.0",
        "@testing-library/react": "^13.4.0",
        "@testing-library/user-event": "^13.5.0",
        "axios": "^1.6.2",
        "react": "^18.2.0",
        "react-dom": "^18.2.0",
        "react-icons": "^4.12.0",
        "react-router-dom": "^6.21.0",
        "react-scripts": "5.0.1",
        "react-youtube": "^10.1.0",
        "web-vitals": "^2.1.4"
      }
    },
    "node_modules/@aashutoshrathi/word-wrap": {
      "version": "1.2.6",
      "resolved": "https://registry.npmjs.org/@aashutoshrathi/word-wrap/-/word-wrap-1.2.6.tgz",
      "integrity": "sha512-1Yjs2SvM8TfIER/OD3cOjhWWOZb58A2t7wpE2S9XfBYTiIl+XFhQG2bjy4Pu1I+EAICN UzRDYDdFwFYUKvXcIA==",
      "engines": {
        "node": ">=0.10.0"
      }
    },
    "node_modules/@adobe/css-tools": {
      "version": "4.3.2",
      "resolved": "https://registry.npmjs.org/@adobe/css-tools/-/css-tools-4.3.2.tgz",
      "integrity": "sha512-15TQ16qL1IE1S8qCz60UJWYp3221G4FFbi9ehx0dQ439D5q1EDCcLLe16T8yZuT5X7NG2uQr82ILaKDa+Q==",
      "engines": {
        "node": ">=4.0.0"
      }
    }
  }
}
```

```

    },
    "node_modules/@alloc/quick-lru": {
      "version": "5.2.0",
      "resolved": "https://registry.npmjs.org/@alloc/quick-lru/-/quick-lru-5.2.0.tgz",
      "integrity": "sha512-UrcABB+4bUrFABwbluTIBErXwvbsU/V7TZWfmbgJfbkwiBuziS9gxdODUyuiecfDGQ85jgIMW6juS3+z5TsKLw==",
      "engines": {
        "node": ">=10"
      },
      "funding": {
        "url": "https://github.com/sponsors/sindresorhus"
      }
    },
    "node_modules/@ampproject/remapping": {
      "version": "2.2.1",
      "resolved": "https://registry.npmjs.org/@ampproject/remapping/-/remapping-2.2.1.tgz",
      "integrity": "sha512-fKag/b4PpUA4ORp9gAaXV2vOEzGOLnZNVVhrs6QJgzk5qZXX2Pr+L9IpbSvvod5nWMZv4Z7eS09EsNDYu1sQ==",
      "dependencies": {
        "@jridgewell/gen-mapping": "^0.3.0",
        "@jridgewell/trace-mapping": "^0.3.9"
      },
      "engines": {
        "node": ">=6.0.0"
      }
    },
    "node_modules/@babel/code-frame": {
      "version": "7.23.5",
      "resolved": "https://registry.npmjs.org/@babel/code-frame/-/code-frame-7.23.5.tgz",
      "integrity": "sha512-CgH3s1a96LipHCmSUmYFPwY7MNx8C3avkq7i4Wl3cfa662ldtUe4VM1TPXX70pfmrlWTb6jLqTYrZyT2ZTJBgA==",
      "dependencies": {
        "@babel/highlight": "^7.23.4",
        "chalk": "^2.4.2"
      },
      "engines": {
        "node": ">=6.9.0"
      }
    },
    "node_modules/@babel/compat-data": {
      "version": "7.23.5",
      "resolved": "https://registry.npmjs.org/@babel/compat-data/-/compat-data-7.23.5.tgz",
      "integrity": "sha512-uU27kfDRlhfKI+w1U6vp16IuvSLtjAxdArVXPa9BvLkrr7CYIsxH5adpHObeAGY/41+sycUWOZ140a2Rvkgjw==",
      "engines": {
        "node": ">=6.9.0"
      }
    }

```

```

    }
  },
  "node_modules/@babel/core": {
    "version": "7.23.5",
    "resolved": "https://registry.npmjs.org/@babel/core/-/core-7.23.5.tgz",
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      "@babel/code-frame": "^7.23.5",
      "@babel/generator": "^7.23.5",
      "@babel/helper-compilation-targets": "^7.22.15",
      "@babel/helper-module-transforms": "^7.23.3",
      "@babel/helpers": "^7.23.5",
      "@babel/parser": "^7.23.5",
      "@babel/template": "^7.22.15",
      "@babel/traverse": "^7.23.5",
      "@babel/types": "^7.23.5",
      "convert-source-map": "^2.0.0",
      "debug": "^4.1.0",
      "gensync": "^1.0.0-beta.2",
      "json5": "^2.2.3",
      "semver": "^6.3.1"
    },
    "engines": {
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    "funding": {
      "type": "opencollective",
      "url": "https://opencollective.com/babel"
    }
  },
  "node_modules/@babel/core/node_modules/semver": {
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    "resolved": "https://registry.npmjs.org/semver/-/semver-6.3.1.tgz",
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      "semver": "bin/semver.js"
    }
  },
  "node_modules/@babel/eslint-parser": {
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    "resolved": "https://registry.npmjs.org/@babel/eslint-parser/-/eslint-parser-7.23.3.tgz",
    "integrity": "sha512-9bTuNlyx7oSstodm1cR1bECj4fkiknsDa1YniISkjemMY3DGhJNYBECbe6QD/q54mp2J8V O66jW3/7uP//iFCw==",
    "dependencies": {

```

```

    "@nicolo-ribaudo/eslint-scope-5-internals": "5.1.1-v1",
    "eslint-visitor-keys": "^2.1.0",
    "semver": "^6.3.1"
  },
  "engines": {
    "node": "^10.13.0 || ^12.13.0 || >=14.0.0"
  },
  "peerDependencies": {
    "@babel/core": "^7.11.0",
    "eslint": "^7.5.0 || ^8.0.0"
  }
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"node_modules/@babel/eslint-parser/node_modules/semver": {
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  }
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  "dependencies": {
    "@babel/types": "^7.23.5",
    "@jridgewell/gen-mapping": "^0.3.2",
    "@jridgewell/trace-mapping": "^0.3.17",
    "jsesc": "^2.5.1"
  },
  "engines": {
    "node": ">=6.9.0"
  }
},
"node_modules/@babel/helper-annotate-as-pure": {
  "version": "7.22.5",

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    "dependencies": {
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    },
    "engines": {
      "node": ">=6.9.0"
    }
  },
  "node_modules/@babel/helper-builder-binary-assignment-operator-visitor": {
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    "resolved": "https://registry.npmjs.org/@babel/helper-builder-binary-assignment-operator-visitor/-/helper-builder-binary-assignment-operator-visitor-7.22.15.tgz",
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    "engines": {
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    }
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      "@babel/helper-validator-option": "^7.22.15",
      "browserslist": "^4.21.9",
      "lru-cache": "^5.1.1",
      "semver": "^6.3.1"
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    "engines": {
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  "node_modules/@babel/helper-compilation-targets/node_modules/semver": {
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        "@babel/helper-environment-visitor": "^7.22.20",
        "@babel/helper-function-name": "^7.23.0",
        "@babel/helper-member-expression-to-functions": "^7.23.0",
        "@babel/helper-optimise-call-expression": "^7.22.5",
        "@babel/helper-replace-supers": "^7.22.20",
        "@babel/helper-skip-transparent-expression-wrappers": "^7.22.5",
        "@babel/helper-split-export-declaration": "^7.22.6",
        "semver": "^6.3.1"
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      "resolved": "https://registry.npmjs.org/semver/-/semver-6.3.1.tgz",
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      }
    },
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        "regexpu-core": "^5.3.1",
        "semver": "^6.3.1"
      }
    }

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      "@babel/helper-plugin-utils": "^7.22.5",
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      "lodash.debounce": "^4.0.8",
      "resolve": "^1.14.2"
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      "@babel/types": "^7.23.0"
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      "@babel/helper-module-imports": "^7.22.15",
      "@babel/helper-simple-access": "^7.22.5",
      "@babel/helper-split-export-declaration": "^7.22.6",
      "@babel/helper-validator-identifier": "^7.22.20"
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  "engines": {
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}

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},
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    "@babel/helper-environment-visitor": "^7.22.20",
    "@babel/helper-wrap-function": "^7.22.20"
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  "engines": {
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  },
  "peerDependencies": {
    "@babel/core": "^7.0.0"
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    "@babel/helper-environment-visitor": "^7.22.20",
    "@babel/helper-member-expression-to-functions": "^7.22.15",
    "@babel/helper-optimise-call-expression": "^7.22.5"
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  "peerDependencies": {
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  "dependencies": {
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  "engines": {

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  "node_modules/@babel/helper-validator-identifier": {
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    "resolved": "https://registry.npmjs.org/@babel/helper-validator-identifier/-/helper-validator-identifier-7.22.20.tgz",
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      "@babel/template": "^7.22.15",
      "@babel/types": "^7.22.19"
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    "engines": {
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      "@babel/traverse": "^7.23.5",
      "@babel/types": "^7.23.5"
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    "resolved": "https://registry.npmjs.org/@babel/highlight/-/highlight-7.23.4.tgz",

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      "js-tokens": "^4.0.0"
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    "engines": {
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    "bin": {
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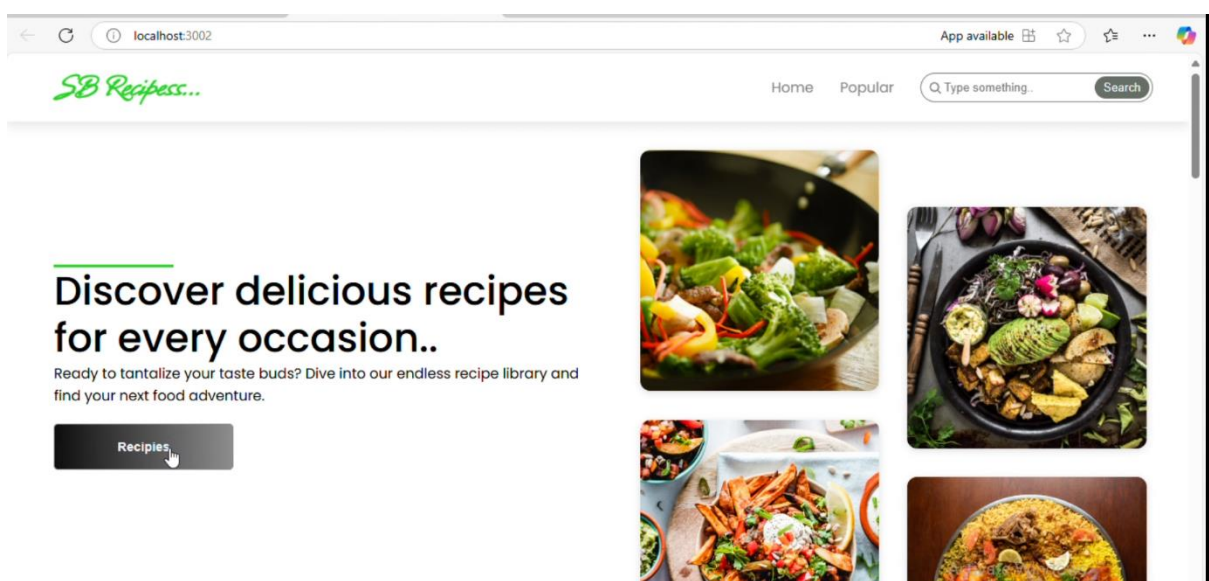
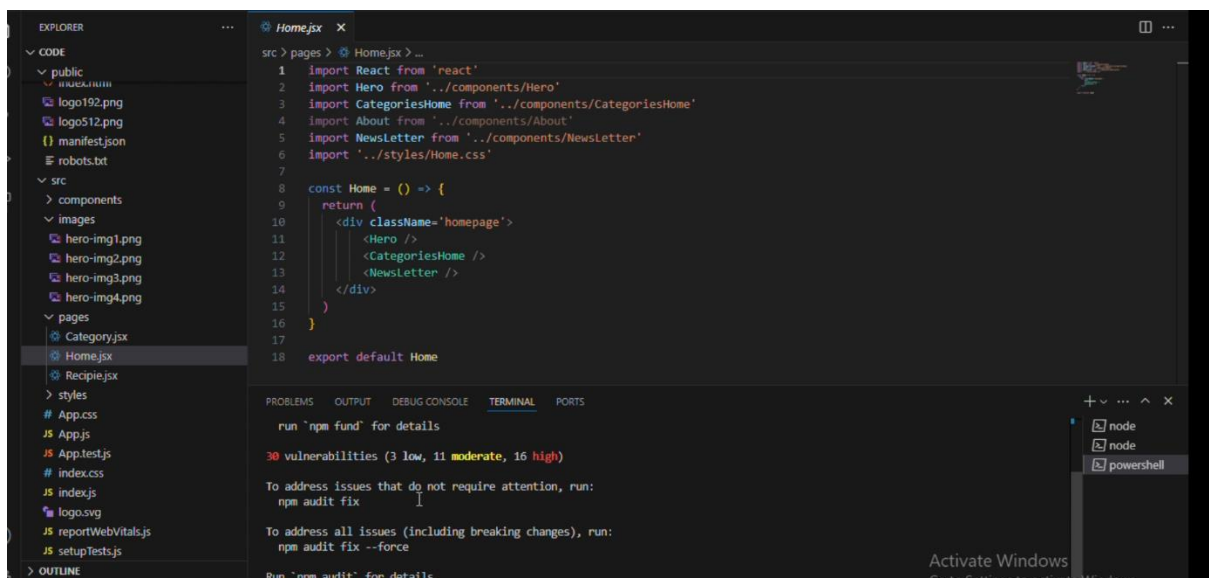
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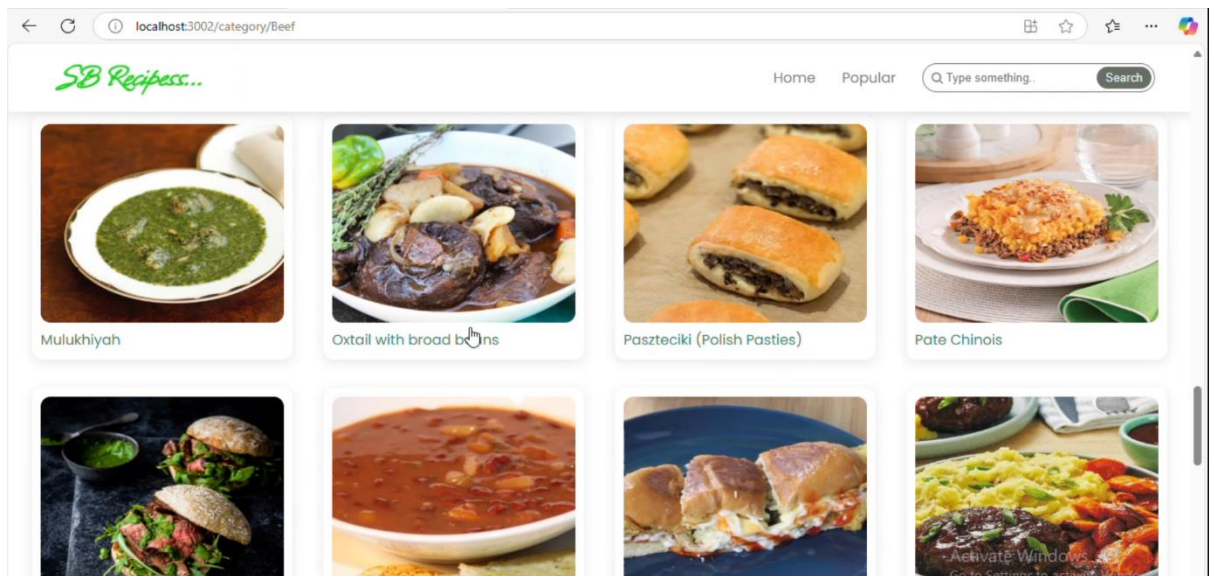
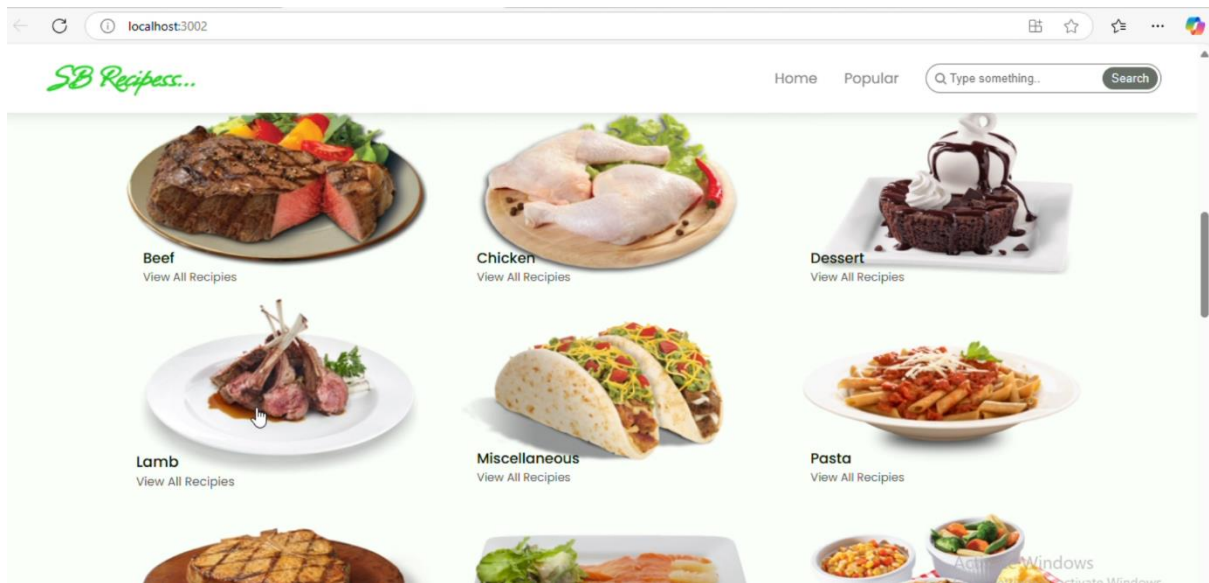


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Screenshots or Demo

<https://drive.usercontent.google.com/download?id=1HR9zaZ3nmE4I-JW5XLQN-hJyxD5gut3W&export=download&authuser=0>






←localhost:3002/recipe/53017

SB Recipes...

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Q Type something...Search



Paszteciki (Polish Pasties)

PolishBeef

Procedure

Sift flour and salt into a large mixing bowl. Use a spoon to push the egg yolk through a fine sieve into the flour. Add the raw egg and mix well. Beat in butter 1 tablespoon at a time. Place dough on a floured surface and knead until smooth and elastic, then wrap in waxed paper and refrigerate until firm (at least 30 minutes). In a heavy skillet, melt 2 tablespoons butter over medium heat; saute the onion and rutabaga until the onion is soft and transparent (5 minutes). Put the onions, rutabaga, and beef through a meat grinder twice if you have one, if not

Ingredients

1 - Flour	1 cup
2 - Salt	1/4 tsp
3 - Egg	1 Yolk
4 - Egg	1
5 - Butter	5 tbs

←localhost:3002/recipe/52928

SB Recipes...

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BeaverTails

CanadianDessert

Procedure

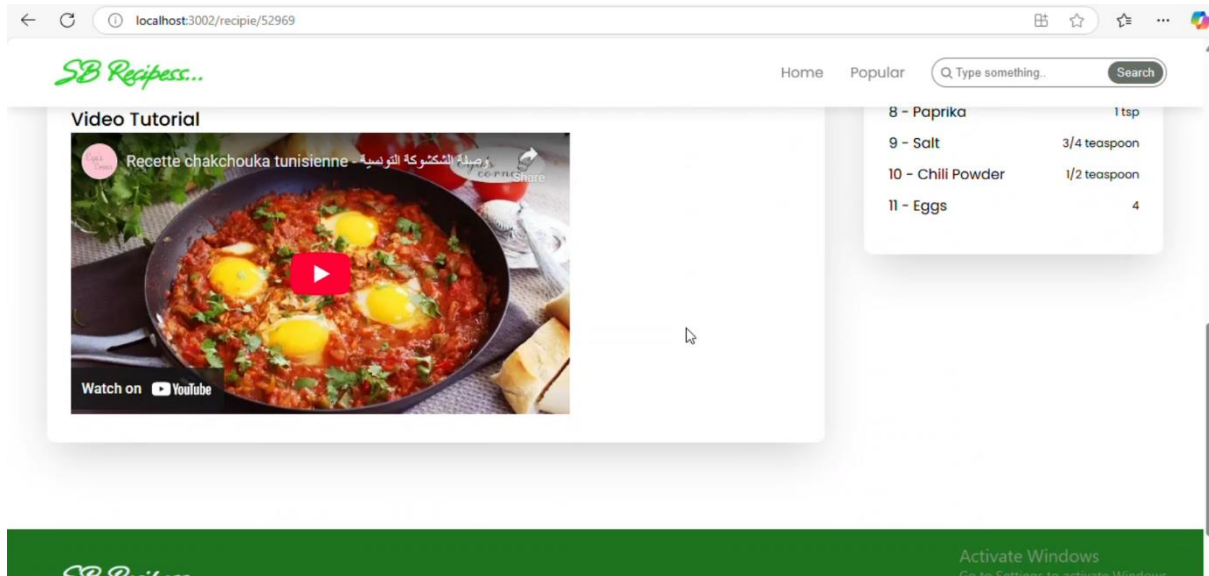
In the bowl of a stand mixer, add warm water, a big pinch of sugar and yeast. Allow to sit until frothy. Into the same bowl, add 1/2 cup sugar, warm milk, melted butter, eggs and salt, and whisk until combined. Place a dough hook on the mixer, add the flour with the machine on, until a smooth but slightly sticky dough forms. Place dough in a bowl, cover with plastic wrap, and allow to proof for 1 1/2 hours. Cut dough into 12 pieces, and roll out into long oval-like shapes about 1/4 inch thick that resemble a beaver's tail. In a large, deep pot, heat oil to 350 degrees. Gently place beavertail dough into hot oil and cook for 30 to 45 seconds on each side until golden brown. Drain on paper towels, and garnish as desired. Toss in cinnamon sugar, in white sugar with a squeeze of lemon, or with a generous slathering of Nutella and a handful of toasted almonds. Enjoy!

Video Tutorial

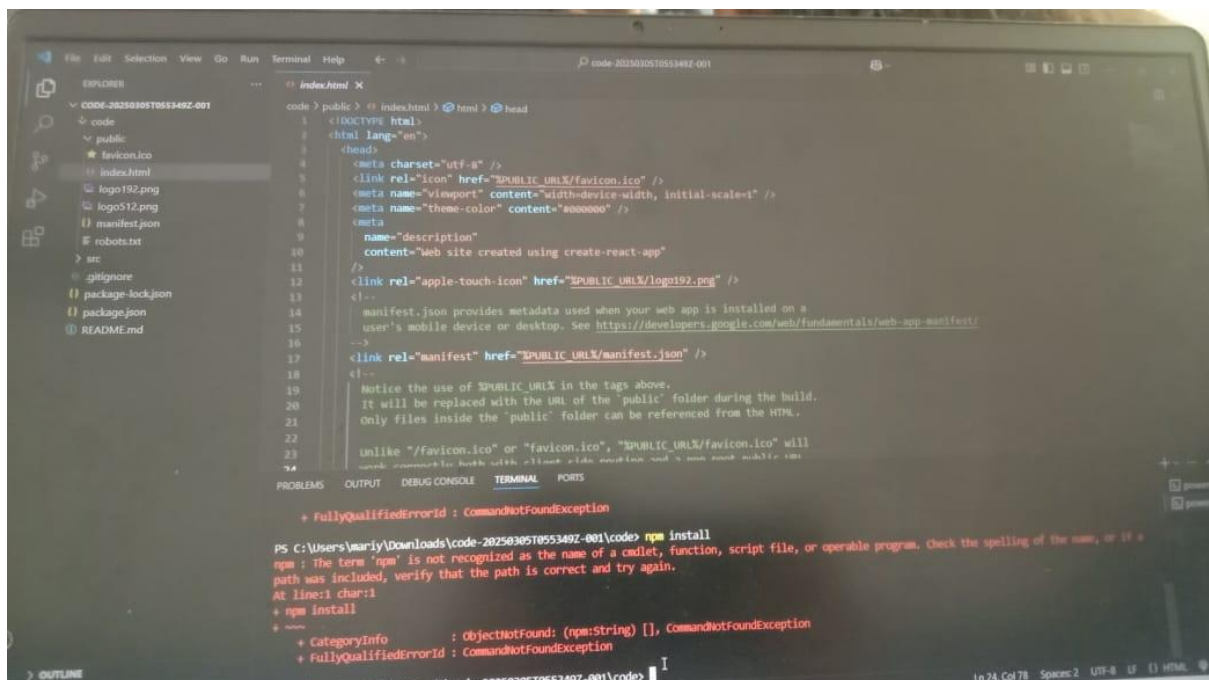


Ingredients

1 - Water	1/2 cup
2 - Yeast	2 parts
3 - Sugar	1/2 cup
4 - Milk	1/2 cup
5 - Butter	6 tblsp
6 - Eggs	2
7 - Salt	1 1/2 tsp
8 - Flour	2-1/2 cups
9 - Oil	for frying
10 - Lemon	garnish
11 - Sugar	garnish
12 - Cinnamon	garnish



Known Issues



☐ Slow API Response

- Some recipe searches take longer to load due to external API limitations.
- **Workaround:** Implement caching or use a loading spinner to improve user experience.

❑ **Limited Search Accuracy**

- The search feature may not return relevant results for certain keywords.
- **Workaround:** Improve filtering logic or implement fuzzy search.

❑ **Dark Mode Inconsistency** (*If enabled*)

- Some UI elements may not fully adapt to dark mode.
- **Workaround:** Ensure all components use theme-aware styles.

❑ **Mobile Responsiveness Issues**

- Certain UI elements may appear misaligned on smaller screens.
- **Workaround:** Adjust CSS styles and test across multiple devices.

❑ **Intermittent API Failures**

- External API requests sometimes fail due to rate limits.
- **Workaround:** Implement retry logic and display user-friendly error messages.

Future Enhancements

This section outlines potential improvements and new features to enhance the cookbook experience.

1. **Expanded Recipe Collection** – Adding more diverse recipes, including international cuisines and dietary-specific options (vegan, gluten-free, etc.).
2. **Step-by-Step Visual Guides** – Incorporating images, animations, or videos to make cooking instructions clearer and more engaging.
3. **Ingredient Substitutions & Nutritional Info** – Providing alternative ingredients for dietary needs and detailed nutritional breakdowns for each recipe.
4. **Interactive Features** – Implementing timers, portion adjusters, and shopping list generators for a more user-friendly experience.
5. **Enhanced Styling & UI** – Improving layout, typography, and color schemes for better readability and modern aesthetics.
6. **Smart Search & Filters** – Allowing users to filter recipes by cuisine, difficulty, ingredients, or cooking time for easier navigation.
7. **Cross-Platform Accessibility** – Ensuring seamless experience across web, mobile, and e-book formats with offline access options.
8. **User Ratings & Reviews** – Enabling users to leave feedback, rate recipes, and suggest improvements for community-driven enhancements.