

COOKBOOK: YOUR VIRTUAL KITCHEN ASSISTANT

Team Details:

Team ID: NM2025TMID40067

Project Title: COOKBOOK: YOUR VIRTUAL KITCHEN ASSISTANT

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Objective:

The primary goal of Cookbook is to provide a user-friendly platform that caters to individuals passionate about cooking, baking, and exploring new culinary horizons. Our objectives include:

- **User-Friendly Experience:** Create an interface that is easy to navigate, ensuring users can effortlessly discover, save, and share their favourite recipes.
- **Comprehensive Recipe Management:** Offer robust features for organizing and managing recipes, including advanced search options.
- **Technology Stack:** Leverage modern web development technologies, including React.js, to ensure an efficient, and enjoyable user experience.

Platform & Technology Used:

The project is developed as a web-based application to ensure accessibility and ease of use across devices with a modern browser. The following technologies and platforms are used:

- **React:** A powerful JavaScript library for building interactive and component-based user interfaces. It provides efficient rendering and state management for the inventory system.
- **HTML5:** Used for structuring the web pages and defining the content of the application.
- **CSS3:** Utilized for styling and designing a responsive, user-friendly, and visually appealing interface.
- **JavaScript (ES6+):** The core programming language used for implementing business logic, interactivity, and communication between components.
- **Git:** A version control system used for managing code, tracking changes, and maintaining project versions effectively.

Implementation

1. Framework & Tools

- Built using React.js for modular and reusable UI components.
- CSS stylesheets (home.css, veg.css, non.css) for theme-based design per recipe type.

- Simple routing/navigation using links (/vegetarian, /non-vegetarian, /dessert).

2. Component Structure

- HomePage.js → Landing page with hero banner, featured recipe categories (Veg, Non-Veg, Dessert), About & Contact sections

HomePage

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- VegRecipes.js → Displays vegetarian recipes with expandable <details> blocks for ingredients and steps

VegRecipes

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- NonVegRecipes.js → Similar structure for non-vegetarian recipes

NonVegRecipes

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- DessertRecipes.js → List of popular Indian sweets (Gulab Jamun, Rasgulla, etc.) with images and preparation details

DessertRecipes

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3. Styling

- home.css → Modern UI with cards, hero section gradients, responsive layout

home

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- veg.css → Grid layout with soft pink background for vegetarian section

veg

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- non.css → Warm orange/brown theme with overlays for better readability

non

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4. Reusable Design

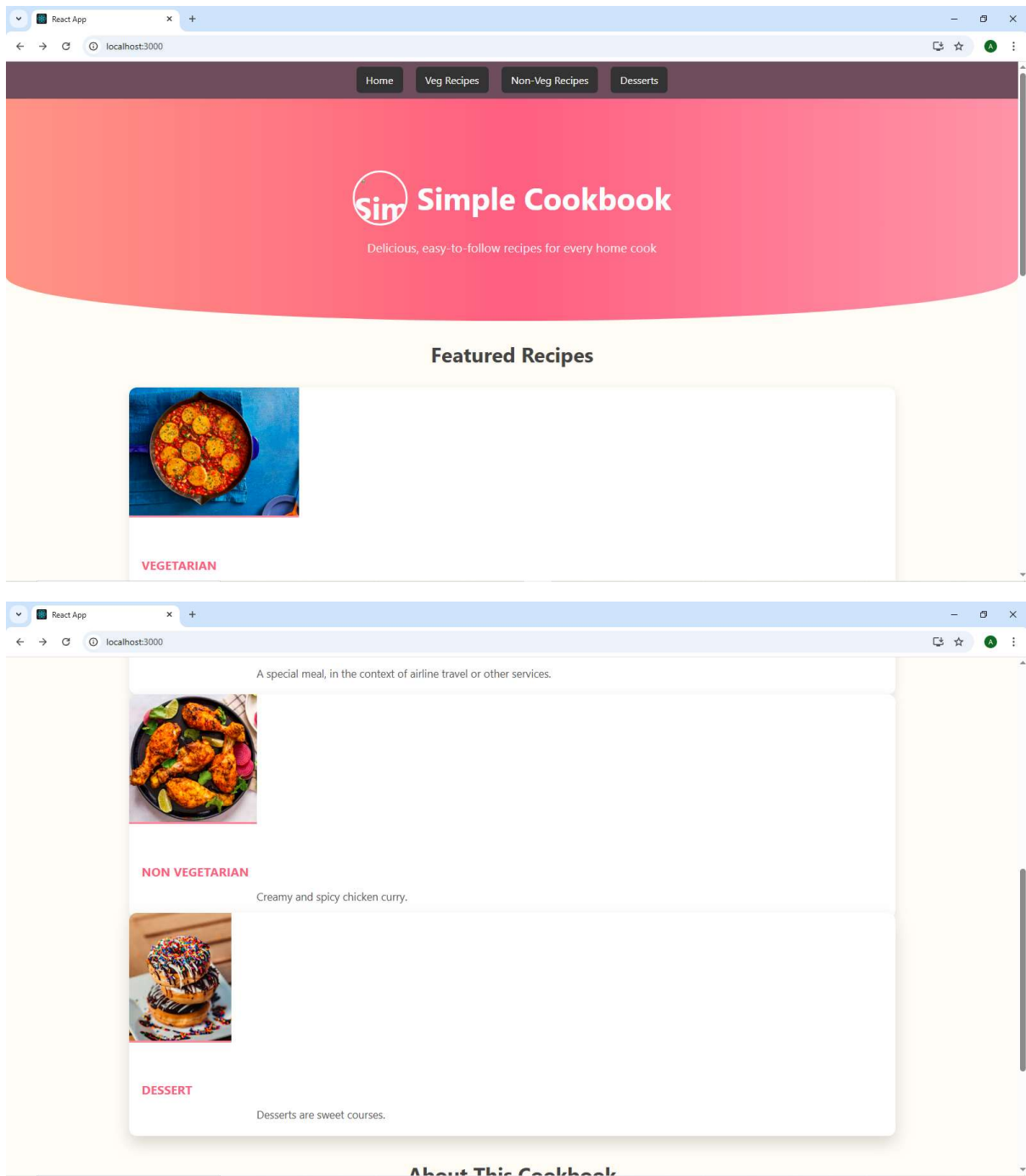
- Recipes use <details> & <summary> for a collapsible UI, keeping it neat and interactive.
- Each recipe card shows image + name + description, linking to full recipe pages.

OUTPUT/ RESULT:

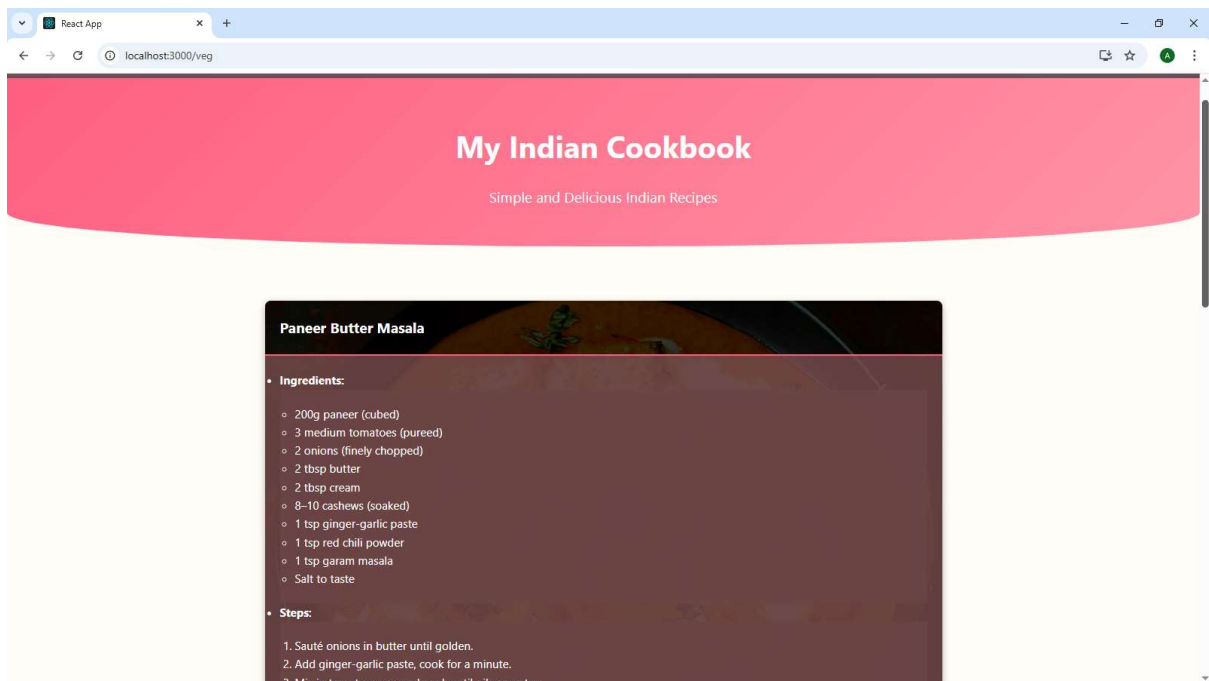
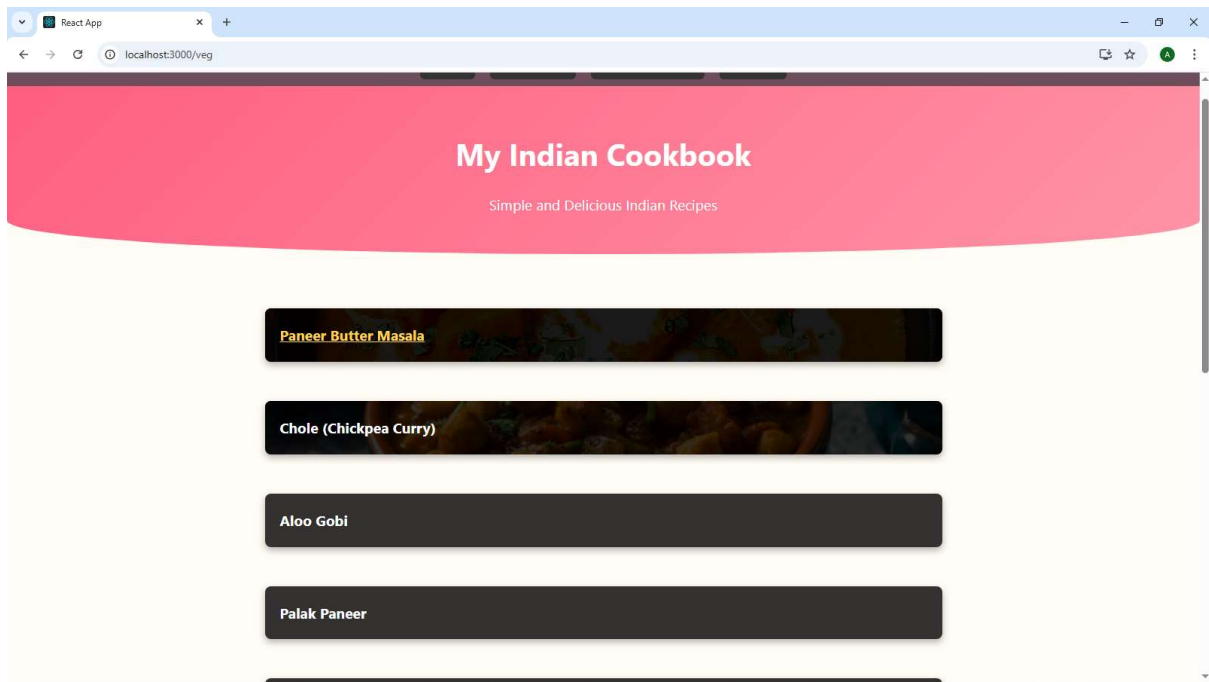
Project Structure:

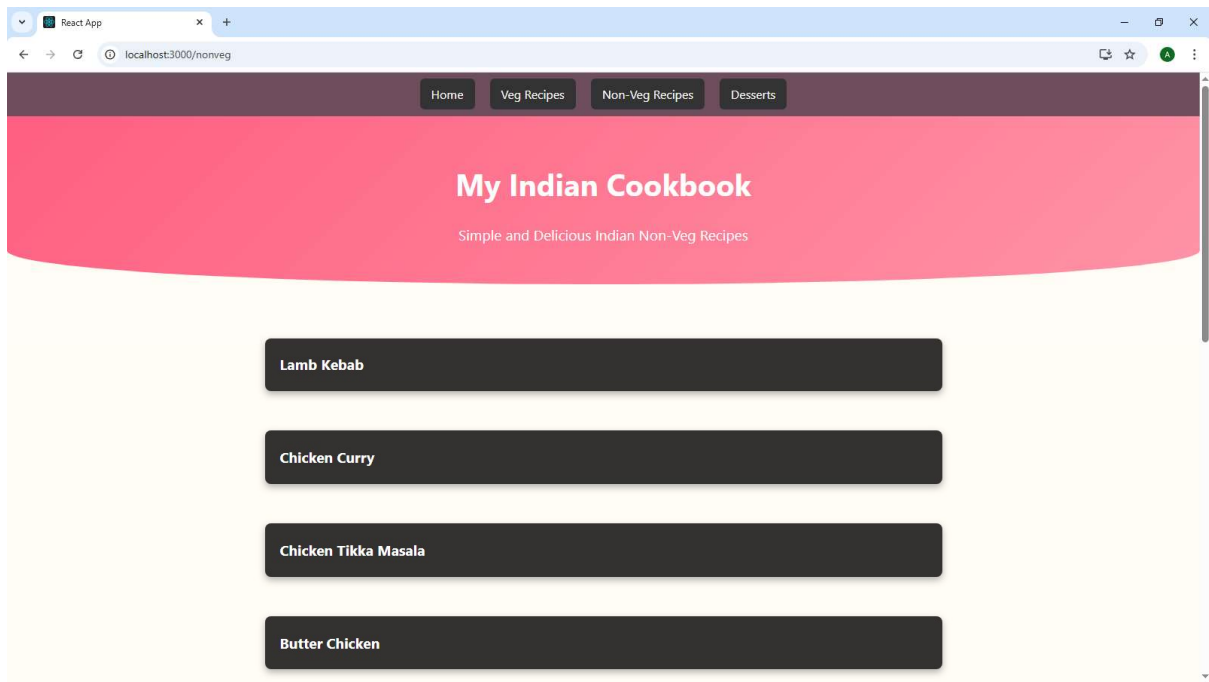


Home page:



Recipes:





About & contact

