

PROJECT DOCUMENTATION

Introduction

Project Title: Cook Book

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Project Overview

Purpose:

To provide a collection of recipes that guide users in preparing delicious and healthy meals easily.

Features:

Includes step-by-step instructions, ingredients list, cooking tips, and variety of recipes for different cuisines.

Architecture

Component Structure:

Breaks the app into reusable recipe, ingredient, and instruction components.

State Management:

Manages data like recipes, favorites, and user inputs consistently.

Routing:

Enables smooth navigation between recipe lists, details, and categories.

Setup Instructions

Prerequisites:

Web browser, Node.js

Installation:

Clone the repository, install dependencies, and run the application locally.

Folder Structure

Client:

Contains recipe components, category pages, and assets like images.

Utilities:

Includes helper functions for filtering, searching, and managing recipes.

Running the Application

Run the following command:

```
npm start
```

The application will start locally and can be accessed in the browser.

Component Documentation

Key Components:

Recipe Card, Recipe List, Recipe Detail Page.

Reusable Components:

Search bar, category filter, and recipe form.

State Management

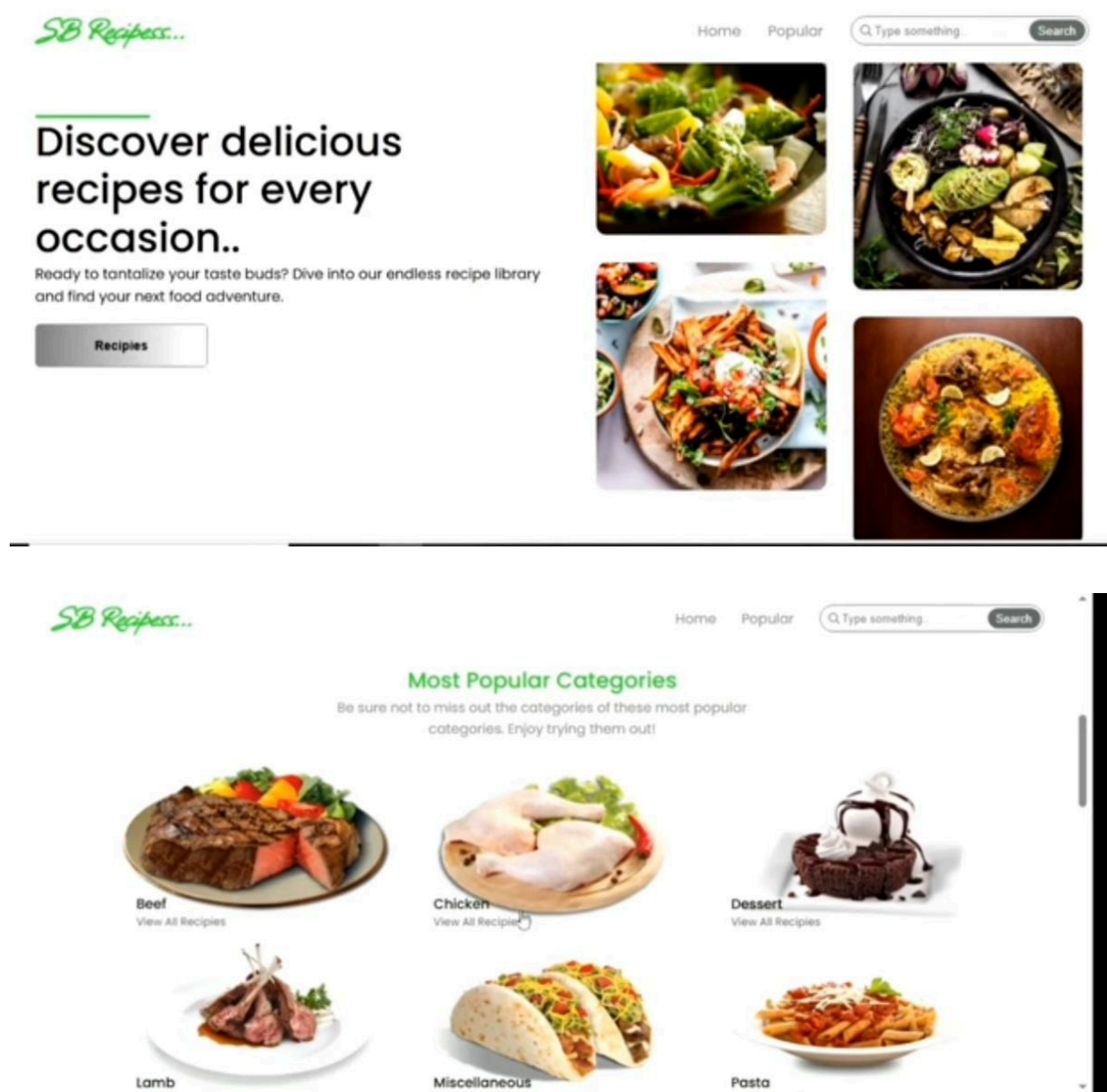
Global State:

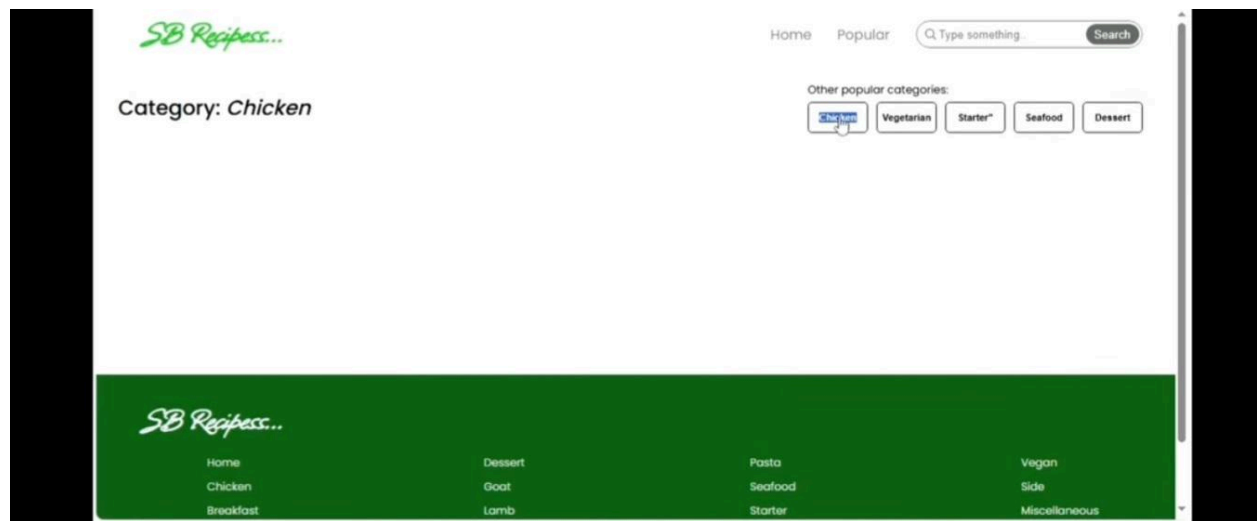
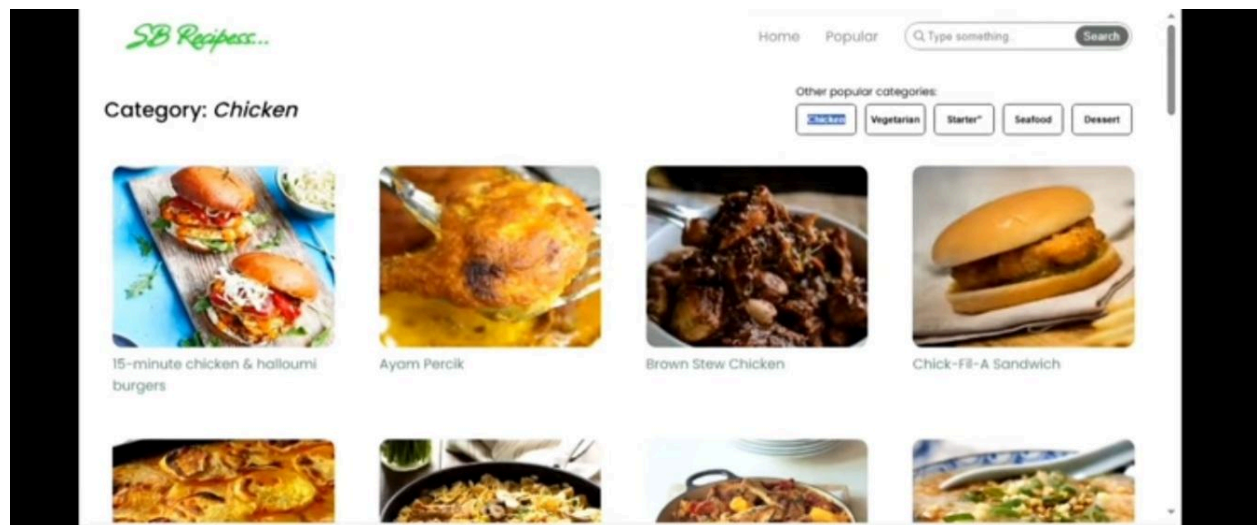
Recipes and categories maintained across the app.

Local State:

Form inputs, search queries, and filters handled at component level.

User Interface





Styling

CSS Frameworks/Libraries:

TailwindCSS / Bootstrap / Custom CSS.

Theming:

Consistent colors and layout for recipe categories.

Testing

Testing Strategy:

Manual and automated testing of recipe addition, search, and display.

Code Coverage:

Unit testing for recipe functions.

Known Issues

Limited recipe categorization.

No offline mode support.

Future Enhancements

Add user accounts for personalized recipe storage.

Include ratings, comments, and favorites.

Enable export of recipes as PDF.