**Front-End Development with React.js**

**Project Documentation**

**1.Introduction:**

* **PROJECT TITLE:** COOKBOOK-Your Virtual Cooking Assistant.
* **TEAM ID:** NM2025TMID43217
* **TEAM SIZE:** 4
* **TEAM LEADER:** LAKSANA Y K
* **ROLE:** CODING AND DEVELOPMENT
* **TEAM MEMBER:** HARSHA WARDHANI M
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**2.Project Overview:**

**Purpose:** The main purpose of the CookBook is to provide an user-friendly application for cooking variety of dishes.

**Features:** Key Features of CookBook include: The list of ingredients required, Detailed Procedure involved in preparing the desired dishes, Videos that describe every steps involved in preparing the dishes, and a Search functionality.

**3.Architecture:**

* **Component Structure:** Key Features of CookBook include: The list of ingredients required, Detailed Procedure involved in preparing the desired dishes, Videos that describe every steps involved in preparing the dishes, and a Search functionality.
* **State Management:** The Application uses the context API for Global State Management to handle the current user’s session, recipe selection, favourite recipes, and user-created entries by entering their mail id.
* **Routing:** React Router is used to manage navigation between different views such as the home page, recipes page.

**4.Set-up Instructions:**

* Pre-Requisites: The Required Software dependencies are Node.js and npm, React.js
* Installation: Provide a step-by-step guide to clone the repository from GitHub. Navigate to the client directory.
* Run npm install to install dependencies.
* Configure Environment Variables for any API keys.

**5.Folder Structure:**

* **Client:** The main React Application is organized into Folders such as Components, Pages, and Assets for Images, and Video Files.
* **Utilities:** Helper functions for Recipe Video playing, and custom hooks for managing favourite recipes are located in this utilities folder.
* **Code:**

project-name/

public/

index.html/

favicon.ico/

src/

assets/