Proposal for Project

Title: Recipe Management System

Project Overview :

The Recipe Management System is a Python-based application designed to simplify the process of managing and organizing recipes. This system will allow users to store, retrieve, and manage recipe information efficiently while providing essential functionalities such as adding, editing, and deleting recipes, marking favourites, and searching for recipes based on specific criteria

System Design

Classes and Functions:

1. Class: User:

Attributes: None

Functionality: login(username, password): Handles user authentication.

2. Class: Recipes:

Attributes:

name: Name of the recipe.

category: Type of dish.

ingredients: List of required ingredients.

cooking_time: Time needed to prepare.

view_count: Tracks how many times a recipe is viewed.

cooked_count: Tracks how many times a recipe is cooked.

3. Class: RecipeManagement

Attributes:

recipes: A list that stores instances of the Recipes class.