Software Project Management
In-Class Hackathon
SOFE3490

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Feasibility Study: Developing a Cocktail Search Web Application

Introduction:
This study aims to develop a web application that permits users to search for cocktail recipes using various criteria such as cocktail name, ingredients, and random selection. An API will be used to access a database of cocktail recipes to develop the application.

Methodology:
To create the cocktail search web application, the following steps will be followed:

Step 1: API Integration:
An appropriate API will be identified and integrated into the web application, which will allow access to a database of cocktail recipes.

Step 2: Front-end Design:
The front-end of the web application will be designed to facilitate users in searching for cocktails based on different criteria like cocktail name, ingredients, and random selection.

Step 3: Query/Calls Development:
The web application will offer three search options to the user:

1. Search cocktail by name: Users will be able to search for cocktails by name.
2. Search ingredients by name: Users will be able to search for cocktails based on ingredients.
3. Lookup full cocktail details by id: Users will be able to search for cocktails based on an ID number assigned to each cocktail.

Step 4: API Call Implementation:
API calls will be integrated into the web application to fetch cocktail data based on the user's search criteria. The API calls will be optimized for efficiency and speed to ensure a seamless user experience.

Expected Results:
The study aims to produce a fully functional web application that permits users to search for cocktails using different criteria. The application will be fast, efficient, and user-friendly.

Furthermore, the application will adhere to the customer's requirement of not displaying any of Jason's file contents while using the application.