

Project Summary for Cocktail Menu App

1. Introduction

The Cocktail Menu App is a dynamic web application designed to help users explore, discover, and save cocktail recipes. The primary purpose of the site is to offer a user-friendly platform for cocktail enthusiasts to learn about various cocktails, find recipes based on ingredients or names, and create a personalized list of favorite cocktails.

2. Functionality and User Guide

- Login/Registration Page: Allows users to signup/login
- Home Page: Features a hero section with a call to action that navigates users to the main feature - the cocktail discovery tool.
- Discover Page: Allows users to search for cocktails by name or ingredients.
- Favorites Page: Users can view and manage a list of their saved favorite cocktails.
- Contact Page: Allows users to submit a message, both submitted to Formspree and stored in the database.

3. Data Source

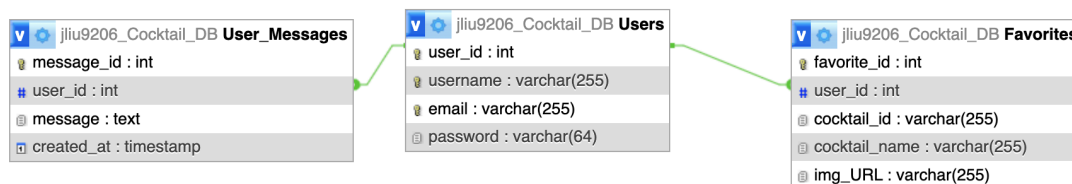
The cocktail recipes, images, and details are sourced from TheCocktailDB API, which provides a comprehensive and regularly updated database of cocktails worldwide. API Documentation:

<https://www.thecocktaildb.com/api.php>

4. Database Design

Attached below is the database diagram that illustrates the structure of the backend database used to store user information and their saved favorites. The database includes tables for Users, User_Messages, and Favorites.

5. Database Diagram:



6. Extras Used (CSS framework)

- CSS Framework: Bootstrap 5 was used to design a responsive layout, ensuring that the application is accessible and efficiently usable across various devices and screen sizes.

Bootstrap 5 Documentation:

<https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css>

- Sessions: Username, UserId, and email are stored in sessions to avoid redundant access to the database.
- API: TheCockTailDB API is used for cocktail search and filter, user-defined ingredient includes cocktail name and ingredients(base spirit).