BartenderIO Project Proposal

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https://github.com/cneumann01/BartenderIO

Overview

A Flask/PostgreSQL driven user interface to [TheCocktailDB](#) API. Users can browse the whole database as a guest and query different drink names/categories. They can also register an account to access additional features such as saving their favorite drinks and creating/editing custom collections.

Goals

1. Develop a responsive user-friendly web application that users can access from desktops, laptops, tablets, and smartphones.

2. Integrate TheCocktailDB API so the application can retrieve data such as drink details, ingredients, and images and present them in an organized manner.

3. Enable browsing and searching functionalities.

4. Implement user registration and authentication.

5. Enable creation/editing of favorite drink lists.

6. Provide clear documentation on both web application usage and installation.

Stretch Goals

1. Dockerize the entire application for fast and easy deployment across different platforms.
2. Provide comprehensive unit and application tests to quickly ensure intended functionality across various platforms.

Technical Specifications

This project will utilize Flask as the web framework, CocktailDB API for beverage data/images, PostgreSQL for database management, WTForm for client-side querying, bcrypt (blowfish cipher) for secure password storage, and Render.com for site hosting. A containerized Docker image will also be researched and implemented as time permits.