CM 523

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Project Proposal

Purpose

Coffee is one of the three major beverages in the world, it is very popular. This web app aims to achieve these goals:

- To show different types of coffee to those who like coffee but are not familiar with coffee culture;
- To show different types of coffee ingredients;
- To recommend fantastic coffee and coffee stores for people in Boston;
- To help calculate calories and nutrients for coffee drinkers;

Description

First, users can choose different kinds of coffee offered on the coffee choice page, such as Latte, Mocha, Americano, etc. Then the web app will take them to the second step: choose the ingredients they want to add to the coffee, such as milk, cream, sugar, etc. After that, users will see the calories and some nutrients of the cup of coffee they made. If users are satisfied, they can click the “Explore More” button and we will provide them with the map of coffee shops in Boston. If users feel that the calories are too high, they can choose to go back to the first step and brew again.

Audience

People in Boston who are not familiar with coffee but want to know about coffee and those who are caffeine addicts. People interested in coffee but who are not in Boston can also use this web app to know the calories and nutrients of coffee.

Technology

HTML, CSS, JavaScript, necessary Plug-ins

Members & Roles

Meiqi Liu: Debugging, Collaborate on HTML, CSS, and JavaScript

Xiewen Wu: Aesthetics, Collaborate on HTML, CSS, and JavaScript

Challenges & Risks

- Accessibility: Because we plan to add pictures of each coffee in the scrolling list, and add background image, this may make the entire size of the web app too large, so that the loading speed will slow down and the user experience will be ruined.
- Compatibility: We need to consider making our website compatible with different browsers and devices.
- Attraction: How to make the web app more attractive and engaging while taking into account interactivity, accessibility and compatibility is a question worth considering.

Contingency Plan

- To combat accessibility, we will try to find some low-resolution pictures without affecting the visual effect.
- To optimize compatibility, we will try to improve the media query part in CSS and other code that can improve responsiveness.
- To improve attraction, throughout the process of the project, we will continue to learn the strategies of UI design, improve the aesthetics of colors, typeface, and layout also based on the user experience research later on.