

Team E Project Requirements for Topsybuffs

Team E's vision for Topsybuffs is an website that recommends cocktails and drinks based on the preferences and the ingredients users have on hand. For this vision to be fulfilled, the website needs a web host, functioning frontend that allows users to use with ease, a database that stores the website's catalogue of drinks, and the code that the website could utilize to recommend drinks to users.

The host, frontend, and database are the most crucial as both elements are needed for the website to function at the most basic level. To get Topsybuffs hosted on the web, Heroku's web hosting service will be utilized. The frontend is planned to be organized with Bootstrap due to its ease of use and one of our team member's familiarity HTML and CSS elements. The design of the page that users will use will be designed as the project progresses in an Agile method; were we would have 3 sprints. This method is utilized as ways of using the website could change with the advent of new features. An SQL database will be used to organize Topsybuffs' recipes as the team will be fairly familiar with the tool from the brief introduction we were given in class. Both SQL and Bootstrap can both also be easily integrated with Heroku which should mean that the different elements should work together smoothly.

The website's ability to match drink recipes to the user's inputted requirements is important as that is the core function of the website. The algorithm and logic the website will utilize to perform the matching process will be coded in Javascript. Scripts will be written to traverse and analyze the data in the SQL database. Drinks will be stored in the database with the name and the attributes associated with the drinks: ingredients or how the drink tastes. These attributes are what the scripts will check with to create the list of drinks to recommend based on which recipe would match the best with the preferences given. The algorithm and logic will also be planned and altered as the project progresses in an Agile manner as the most efficient recipe matching technique could differ as the team gains more experience in traversing SQL databases.