

Drinks with Friends

TEAM 19

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Problem Statement

Everyone has their favorite drinks, and convincing yourself to try new drinks and stepping out of your comfort zone is very difficult. Add on to this, the embarrassment of approaching a bar and being the person holding up the line trying to figure out what drink looks good. This can now be a worry of the past with our web app Drinks with Friends. Drinks With Friends will allow you to quickly come up with the name of a new drink, and also see your friends' favorite drinks. By liking and disliking drinks from the database, our algorithm will be able to help suggest drinks you have never heard of, but might become your new favorite.

Background Information

Problem/Domain:

The days of struggling to scour the internet for the names or ingredients to a new drink are over. Stepping out of your comfort zone and trying new drinks are the days of new. Not only can you try new drinks, but you can also share your favorite drinks with friends. This application is a social media app made for the sharing of information with others (friends), and creating as complete of a database of drinks as possible.

Audience:

Drinks with Friends is a web app for anyone that enjoys mixed drinks and social media apps. If you like drinking and making friends, this is the app for you! Note: Users must verify that they are 21 in order to use the web app.

Similar Platforms:

There are a number of platforms similar to ours, but none are exactly the same. Examples of similar platforms include: Untappd - a social media for beer, Vivina - a social media for wine, Cellartracker - a collection of wine and reviews, Corkz - wine reviews, and CocktailDB - a database of cocktails. What differentiates our platform is that it is an all encompassing social media to share your favorite drinks, learn and try new drink recipes from our extensive database, and add friends to see what they like to drink.

Limitations:

Most of the online applications we found that have drink recipes have interfaces that are difficult to look at and interact with. None of the other applications have a social media aspect that we hope to include such as having lists of favorite drinks, user profiles, company profiles, locations of bars and the ability to tag them, and bar profiles that can share and update their menu.

Functional Requirements

Backlog ID	Functional Requirement
1	As a user, I would like to add a profile picture
2	As a user, I would like to login to my profile
3	As a user, I would like to add my all time favorite drink
4	As a user, I would like to create an account
5	As a user, I would like to logout of my profile
6	As a user, I would like to have and edit a bio
7	As a user, I would like to have a list of my liked drinks
8	As a user, I would like to remove drinks from my list of liked drinks
9	As a user, I would like to add other users to a friends list
10	As a user, I would like to view my profile page
11	As a user, I would like to share drink recipes
12	As a user, I would like to search by user profile

13	As a user, I would like to add and publish my own drink recipe
14	As a user, I would like to tag bars/restaurants I have visited
15	As a user, I would like to search for bars/restaurants.
16	As a user, I would like to add drink instructions
17	As a user, I would like to search by drink
18	As a user, I would like to see a random drink suggestion
19	As a user, I would like to search by ingredients
20	As a user, I would like to receive drink suggestions based on drinks I have liked.
21	As a user, I would like to like drinks
22	As a user, I would like to dislike drinks
23	As a user, I would like to like ingredients
24	As a user, I would like to dislike ingredients
25	As a user, I would like to see the top drinks that users have liked
26	As a user, I would like to see drinks other users have published
27	As a user, I would like to see the username of a drink's publisher
28	As a user, I would like to see a list of all drinks
29	As a user, I would like to only search for drinks that are official (i.e. not added by another user)
30	As a user, I would like to edit my drinks
31	As a user, I would like to see pictures of drinks
32	As a user, I would like to unfavorite a drink
33	As a user, I would like to delete my account
34	As a user, I would like to have a dark and light mode

35	As a developer, I want to ensure that no accounts are made with people under 21
36	As a bar/restaurant, I would like to have data on most popular drinks of the night
37	As a bar/restaurant, I would like to share pictures, drinks, and recipes
38	As a bar/restaurant, I would like to display our location
39	As a bar/restaurant, I would like to publish our menu
40	As a bar/restaurant, I would like to access and edit my account
41	As a bar/restaurant, I would like to create a company account
42	As a user, I would like to search and view other user's profile pages
43	As a user, I would like to change my password
44	As a user, I would like to make a password
45	As a user, I would like to view other people's favorite drink
46	As a user, I would like to reset my password
47	As a user, I would like to receive an email to reset my password
48	As a user, I would like to change my username
49	As a user, I would like my username/password to be remembered on this device
50	As a bar/restaurant, I would like to update my menu
51	As a bar/restaurant, I would like to include the prices of drinks
52	As a user, I would like the option to geo-tag drinks that I have had
53	As a user, I would like to have a map with all my geo-tagged drinks visible on my profile
54	As a user, I would like to see other user's geo-tagged drinks when viewing their profile

55	As a developer, I would like to categorize drinks for recommendations
56	As a user, I would like to share posts via email/Twitter/Facebook
57	As a user, I want to be notified when accounts I follow have posted
58	As a user, I would like to see similar drinks when searching
59	As a user, I want a tab with drinks in the news
60	As a developer, I want to implement a web scraper to find new stories about drinks
61	As a user, I would like to see price comparisons for bars/restaurants
62	As a user, I would like to see Yelp reviews for each bar/restaurant
63	As a user, I would like to access drinks without logging in
64	As a user, I would like to see the date of a post
65	As a user, I would like to create a post with text and/or a picture
66	As a user, I would like to delete a post I made
67	As a user, I would like to search for a post
68	As a user, I would like to have a feed from accounts I follow
69	As a user, I would like to have a feed from friends I have added

Non-functional Requirements

Architecture and Performance:

For our frontend, we intend to use React to create our interactive UI. We intend to use Typescript as our programming language as it will help ensure our code is maintainable and easily testable.

For our backend, we intend to use Java that is built on top of a MySQL database that will store the user profiles and drink recipes that drive our application. Our app will run 24/7 and be able to handle 25,000 simultaneous users. Our pages will load in under 5 seconds and server response time will be under 2 seconds.

Security:

From a security objective, we want to make sure our user's data is as secure as possible. To do this, we will encrypt all user data when sending from server to host and host to server, as well as encrypting stored user's passwords. We will clean user input so that there cannot be malicious input attacks on our site and database. Finally, all users will be required to sign a term of service agreement upon the creation of his or her account.

Usability:

The interface will be easy to use for any user and allow anyone to freely navigate without any issues and confusion on elements that are in the user interface. Drink recipes and images should be displayed in a clear and organized fashion. To aid in this pursuit, we will also be making use of a component library like Semantic UI React to build the different pieces of our interface. Our web app and UI will be designed to cater mainly to desktop and laptop users. Creating a clean mobile-friendly version of our web app will not be a priority during the development cycle.