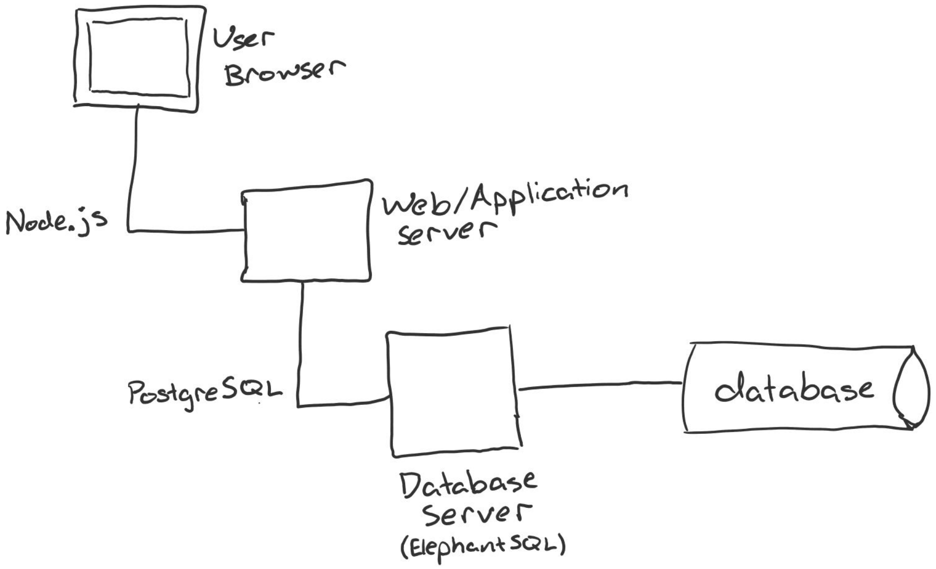
Milestone #4 - Thirsty Tracker

Revised List of Features

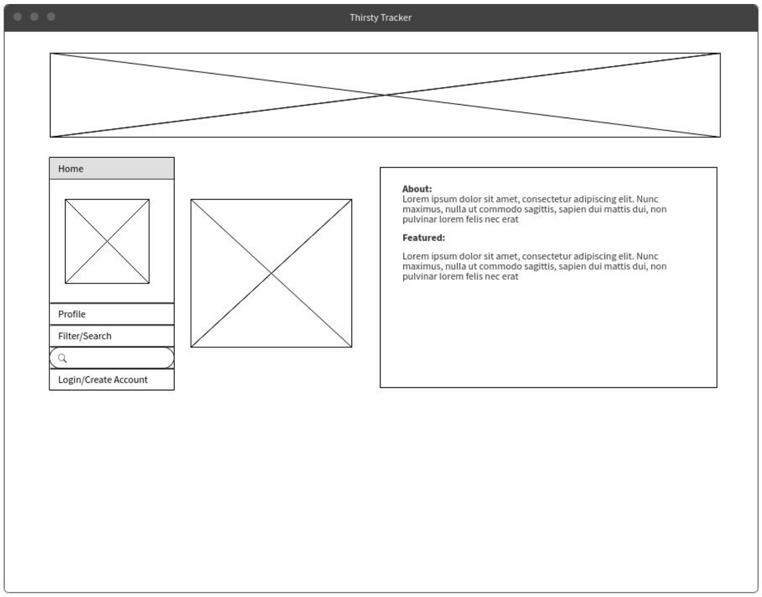
1. User registration (Save profiles, login, save favorites, have a history) Underage Option
    a. Have users create a profile that will be saved into a database
    b. Be able to login using a username and password
    c. History
    d. Have a favorites restaurant list that is saved to the user profile
2. Filter restaurants by various aspects such as:
    a. Price
    b. Type of alcohol served
    c. Hours
    d. Location
    e. Favorites
3. Recommended
    a. A tool that is used to to sort your preferences on what you're looking for. If you can't decide on an option then a happy hour place will be recommended for you based on previous visits to the establishment as well as places you haven't visited before.
    b. Search - a search bar giving ability to search for restaurants by name or by keywords relating to the restaurant and its food/drinks
4. Ratings/Reviews
    a. For now, just put the stars you would give the place. Maybe later implement actual reviews from users.
    b. Attach restaurant's average score to the restaurant profile. Have users' own score tied to their individual profile.
5. Inputted database of restaurants (Stay in Boulder proper for now)

Architecture Diagram



Front End Design

Home page:



About:
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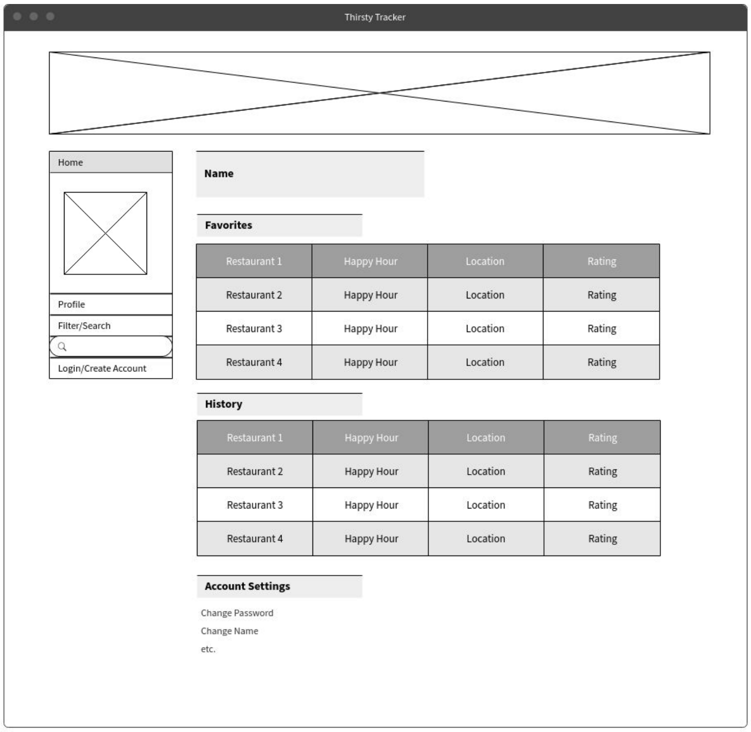
Featured:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc maximus, nulla ut commodo sagittis, sapien dui mattis dui, non pulvinar lorem felis nec erat

Account Page:



Thirsty Tracker

Home

Profile

Filter/Search

Login/Create Account

Name

Favorites

Restaurant 1	Happy Hour	Location	Rating
Restaurant 2	Happy Hour	Location	Rating
Restaurant 3	Happy Hour	Location	Rating
Restaurant 4	Happy Hour	Location	Rating

History

Restaurant 1	Happy Hour	Location	Rating
Restaurant 2	Happy Hour	Location	Rating
Restaurant 3	Happy Hour	Location	Rating
Restaurant 4	Happy Hour	Location	Rating

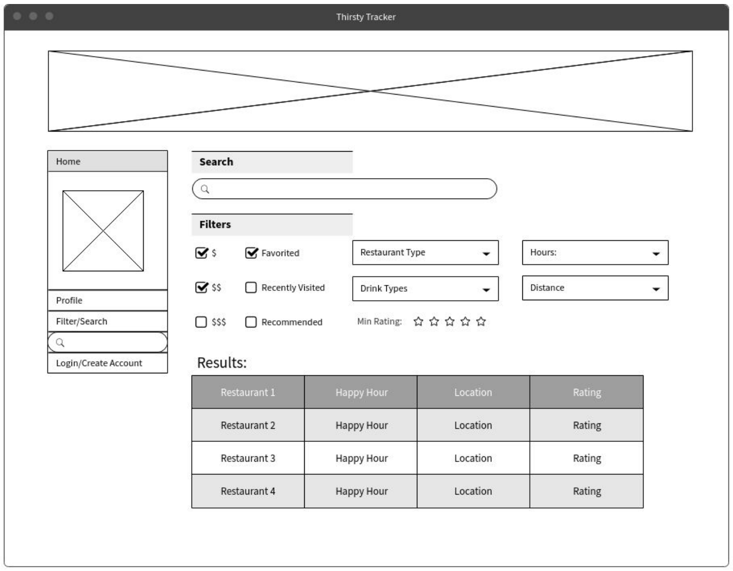
Account Settings

Change Password

Change Name

etc.

Search/Filter Page:



Thirsty Tracker

Home

Profile

Filter/Search

Login/Create Account

Search

Filters

☑ $ ☑ Favorited Restaurant Type ▾ Hours: ▾

☑ $$ ☐ Recently Visited Drink Types ▾ Distance ▾

☐ $$$ ☐ Recommended Min Rating: ☆ ☆ ☆ ☆ ☆

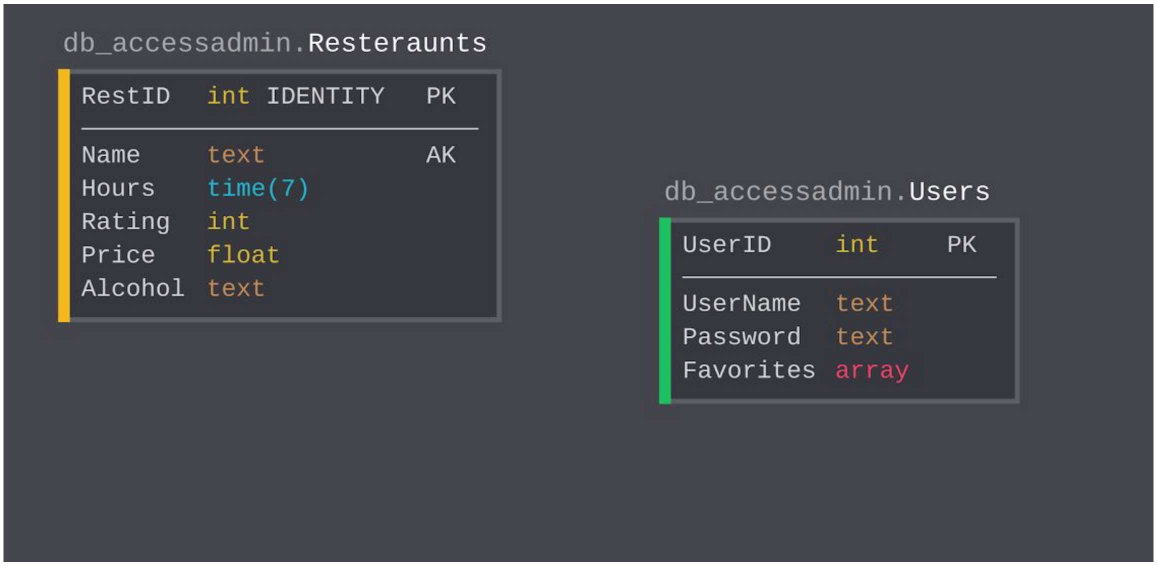
Results:

Restaurant 1	Happy Hour	Location	Rating
Restaurant 2	Happy Hour	Location	Rating
Restaurant 3	Happy Hour	Location	Rating
Restaurant 4	Happy Hour	Location	Rating

Web Service Design

We are using ElephantSQL, a service that hosts databases on the cloud. We did not, however, have to use any APIs.

Back End Design



```
db_accessadmin.Resteraunts
RestID   int IDENTITY   PK
------------------------------
Name     text           AK
Hours    time(7)
Rating   int
Price    float
Alcohol  text
```

```
db_accessadmin.Users
UserID     int      PK
-----------------------
UserName   text
Password   text
Favorites  array
```

We will be using two PostgreSQL databases through ElephantSQL. The column entries are as displayed above, with primary keys denoted as PK.