DrinkLink: A Drink-Sharing App

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1. User can create an account and update their profile with drinks they had from different cafes, bars, boba shops, etc. and rate it!!
2. User can find cafes and restaurants on the map based on location
3. User can add friends and see what drinks they've had/rated

APIs and Methods

1. Using YelpFusion API (REST API), Business Search endpoint
    a. Parameters: location using coordinates, search term
        i. App uses users current location to get coordinates
        ii. Search term selectable: drinks, coffee, beer, etc.
    b. Returns back JSON of businesses

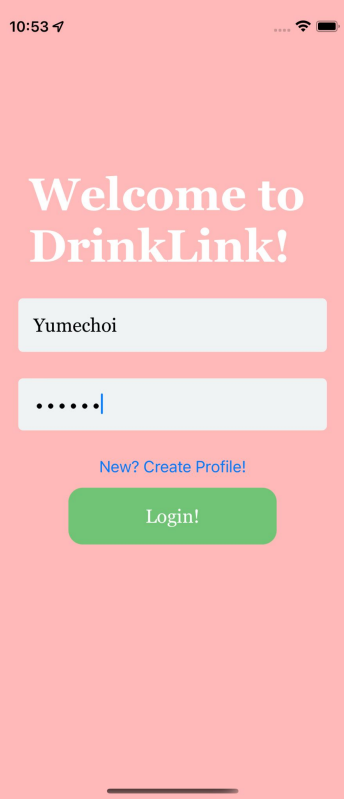
Documentation: https://www.yelp.com/developers/documentation/v3/business_search

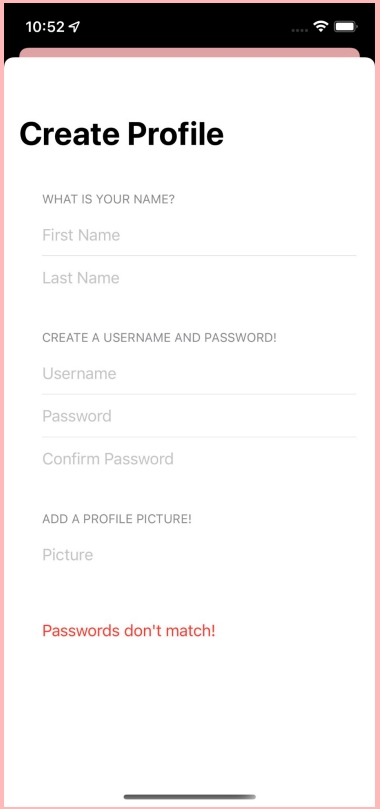
Response Body


```
{
  "total": 8228,
  "businesses": [
    {
      "rating": 4,
      "price": "$",
      "phone": "+14152520800",
      "id": "E8RJkjfdcwgtyoPMjQ_Olg",
      "alias": "four-barrel-coffee-san-francisco",
      "is_closed": false,
      "categories": [
        {
          "alias": "coffee",
          "title": "Coffee & Tea"
        }
      ],
      "review_count": 1738,
      "name": "Four Barrel Coffee",
      "url": "https://www.yelp.com/biz/four-barrel-coffee-san-francisco",
      "coordinates": {
        "latitude": 37.7670169511878,
        "longitude": -122.42184275
      },
      "image_url": "http://s3-media2.fl.yelpcdn.com/bphoto/MmgtASP3l_t4tPCL1iAsCg/
      "location": {
        "city": "San Francisco",
        "country": "US",
        "address2": "",
        "address3": "",
        "state": "CA",
        "address1": "375 Valencia St",
        "zip_code": "94103"
      },
      "distance": 1604.23,
      "transactions": ["pickup", "delivery"]
    },
    // ...
```

Login and Create Profile

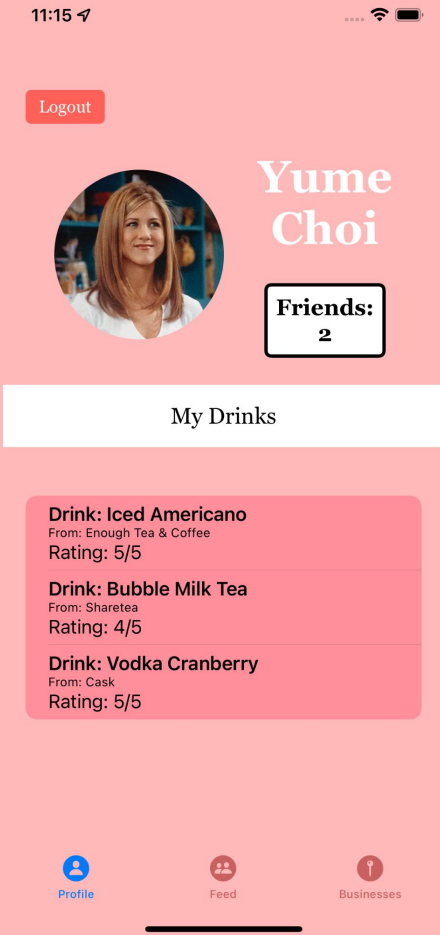
- Create a new profile to add to the **DataStore**
- Can login by matching the inputted username and password to existing profiles in the **DataStoreÍ**





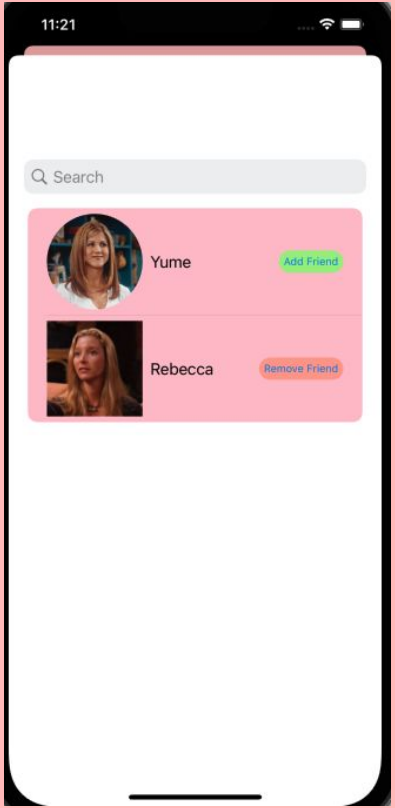
Profile Tab

- Name and Profile Picture
- Number of Friends
- Drink List (“My Drinks”): Drink, Location, Rating
- Log out



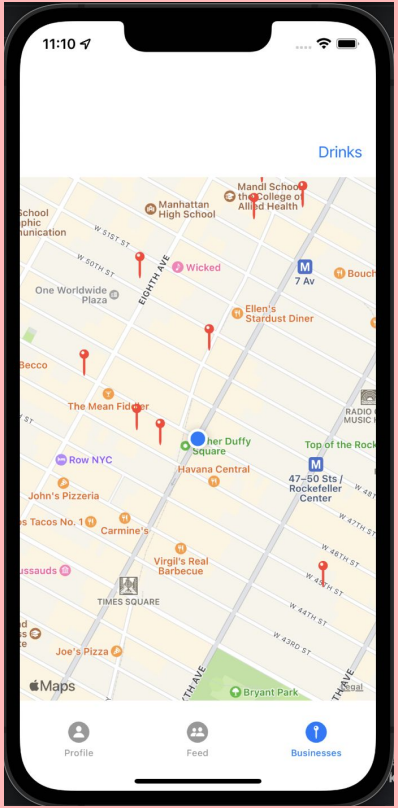
Friends and Feed Tab

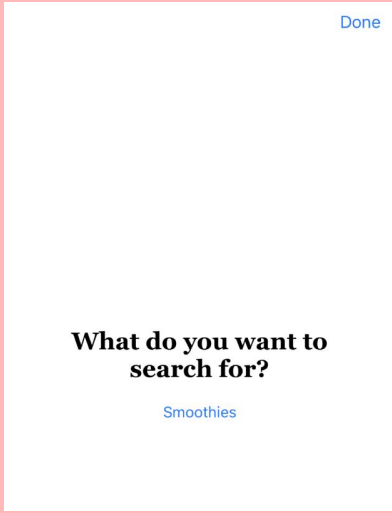
- User can search for other DrinkLink users to add or remove as a friend
- Feed tab will show all of user's friends
- Can scroll through and navigate to friends' profiles to view their favorite drinks and recent activity

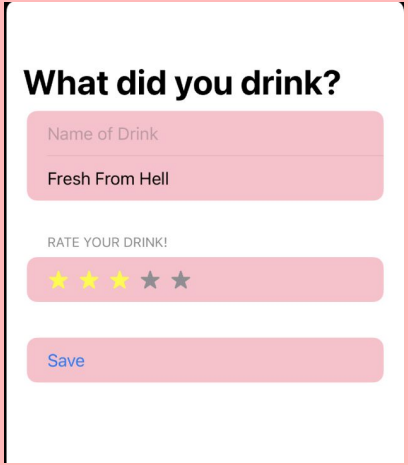


Map and Add Drinks Tab

- **CLLocationManager()** to get user's current location, coordinates to give to API
- **MKCoordinateRegion()** to use Apple maps
  - MapAnnotation to create markers for businesses
- Can filter for different drink categories
  - Drinks, coffee, beer, smoothies, etc.
- Click on marker to view the business details
  - Add drink from the detail page, which appears on profile



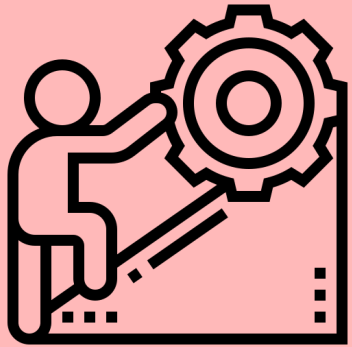




DEMO

Challenges and Interesting Lessons

- Syncing dataStore for every different action that was made (i.e. creating profile, adding friends, adding drinks)
- Working with Maps
  - Did not know simulator could not get user's real location
- Getting YelpAPI responses - conforming model to JSON response
- Random UI bugs (NavigationView !!)



Next Steps?

- Implement Firebase to keep track of newly created users
- Dark Mode for nighttime and bars (21+)
- Features to comment on and like friends' updates
- Connect drinks to business so that users can scroll through all reviews for a single business
- Improve on UI
- Add notifications feature for friends' updates

Thank you for watching!