

# LiquorList

# CMPS 121 Final Project

---

ALEX WILLIAMSON    [alswilli@ucsc.edu](mailto:alswilli@ucsc.edu)

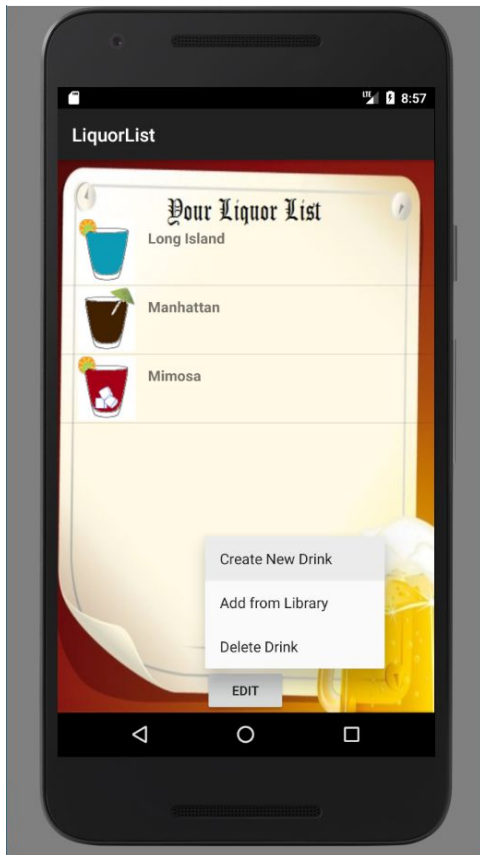
AUSTIN BAIRD      [arbaird@ucsc.edu](mailto:arbaird@ucsc.edu)

JUNE 2018

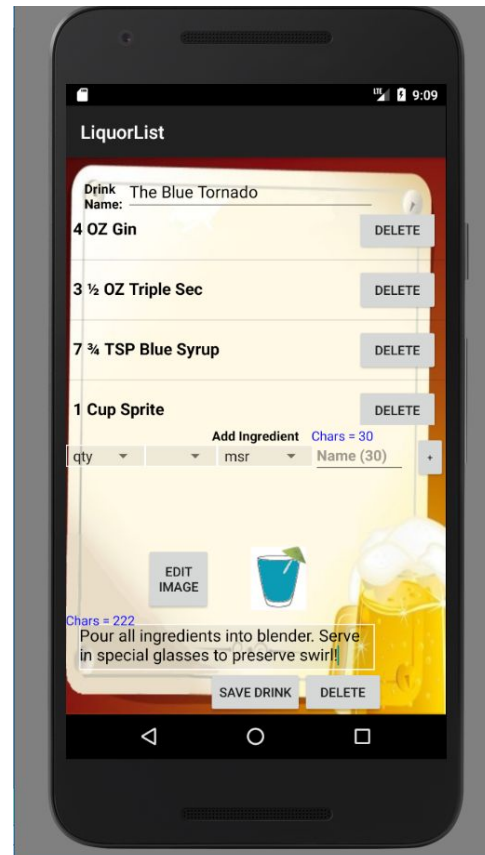


# LiquorList

ADD!



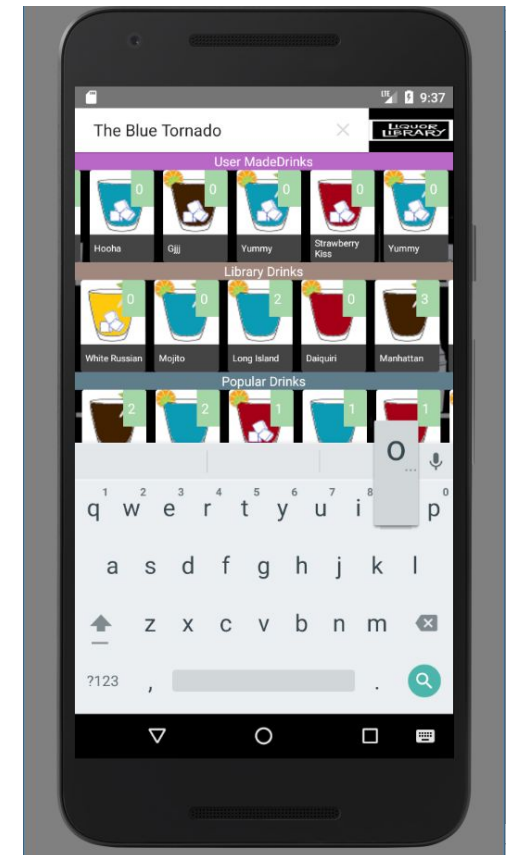
EDIT!



DISPLAY!



SEARCH!



# Overview

---

- Save/display a list of liquor recipes for later viewing
  - Create your own liquor recipes for fun
  - Search a database of user created recipes and well-known liquor recipes to add to your list
  - See the most popular drinks!

# Creating Liquor Recipes

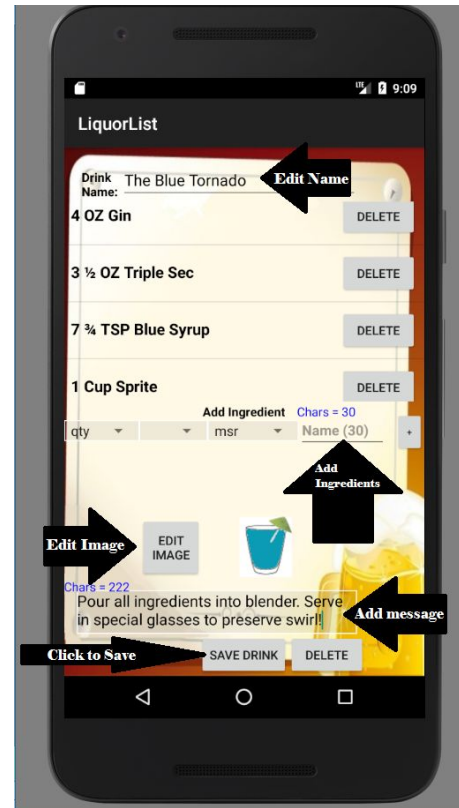
---

- Click the “EDIT” button and click “Create New Drink”



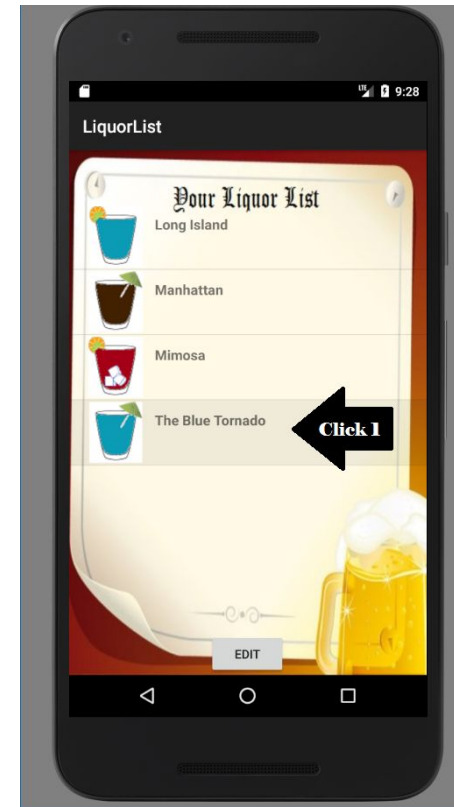
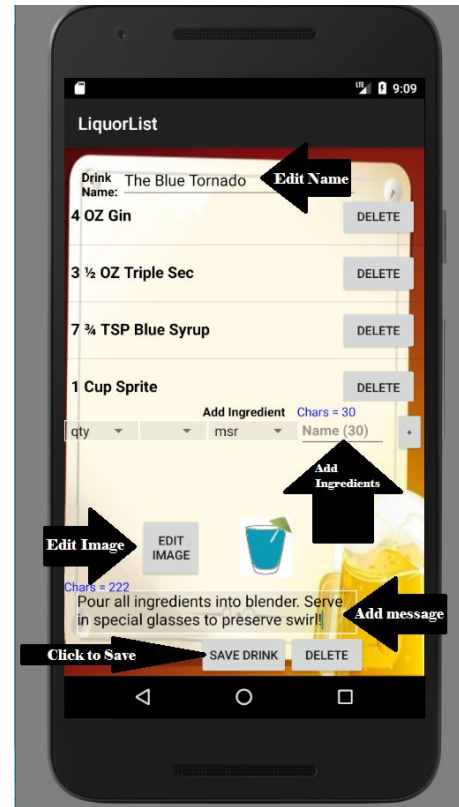
# Creating Liquor Recipes

- Fill in the required fields and then click “Save Drink”



# Creating Liquor Recipes

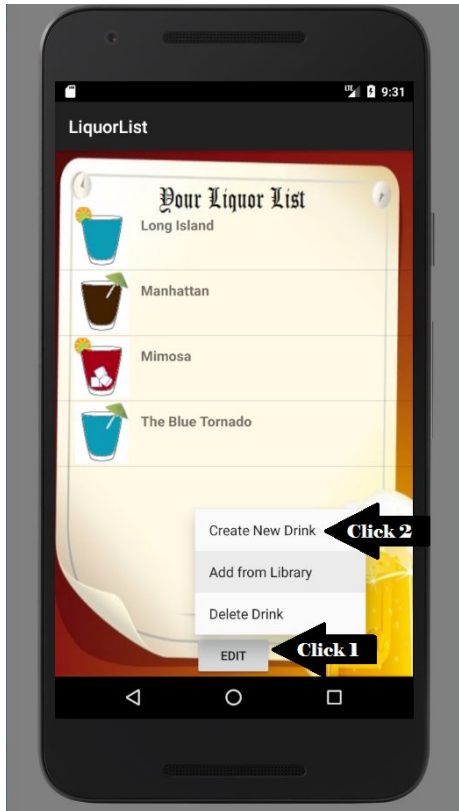
- Your drink is now added to your list! Click to display it



# Searching for Liquor Recipes

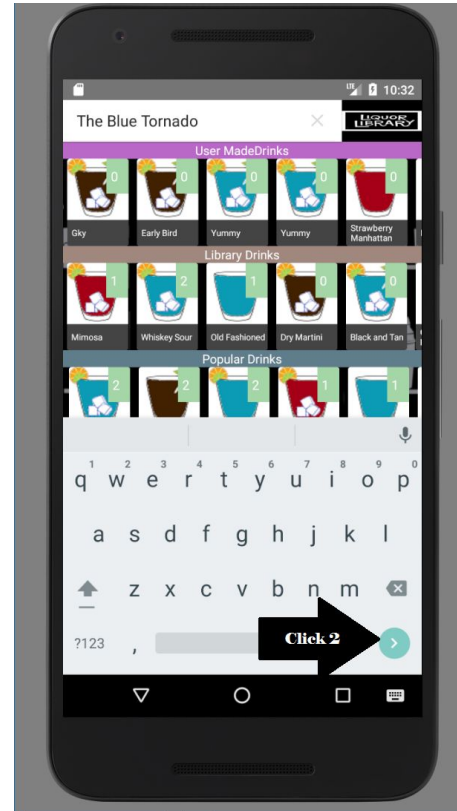
---

- Click the “EDIT” button and click “Add from Library”



# Searching for Liquor Recipes

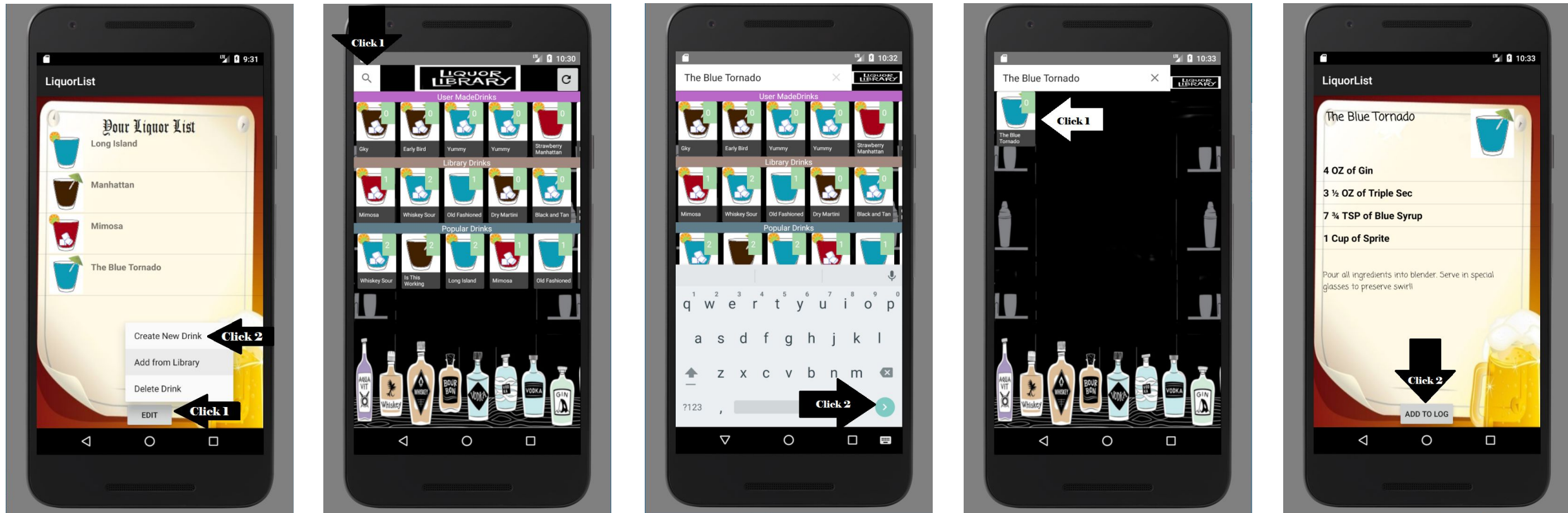
- Click the  icon to search for specific drinks/recipes





# Searching for Liquor Recipes

- Click on a drink and add it by clicking “ADD TO LOG”



# Challenges

---

- Displaying multiple images without lag
- Making sure user info was properly saved via AppInfo/Shared Preferences
- Implementing the search function
- Coming up with the design for the app/making sure activities were user friendly
  - Differences with layouts across different Android models

# Search Code

---

```
def search():  
    q = request.vars.q.strip().lower()  
    limit = q[:-1] + chr(ord(q[-1]) + 1)  
    qry = LiquorStorage.query(ndb.OR(  
        ndb.AND(LiquorStorage.name_lower >= q, LiquorStorage.name_lower < limit),  
        ndb.AND(LiquorStorage.ingredients_names >= q, LiquorStorage.ingredients_names < limit)  
    ))  
    return get_result_list(qry)
```

Basic idea is to return drinks with a string containing query using indexed properties.

Ex) q = dog; limit = doh; doggy >= dog AND doggy < limit is true

---

Let's see the app in  
action!