

## Release Summary

### Key user stories and acceptance criteria:

- I've never been to a designated shop before and want to see their menu.
  - Create a database that stores web scraper data
  - Scrapes store information from the website to the database
  - Scrapes drinks from the website to the database
  - Scrapes toppings from the website to the database
  - Make a server that can link the database to the app
- I would like to search for an exact or nearly exact drink with my customizations.
  - Display drinks and toppings options
  - Allows user to select the options
  - Allows user to submit options selected to find stores with a similar drink
- I'm a user and I want to see visuals to better understand what I am choosing.
  - Displays images for each drink correctly
  - Displays images for each topping correctly
  - Displays visual that combines the images for the drink and toppings selected
- I'm a user and I want to see a list of stores that have my drink.
  - Searches the database to find and display stores that have provided options
  - Design an algorithm to calculate the closest drink to user's selection
  - Gives similar options to exact drink customization options
- I'm new to my area (San Jose) and want to find stores near me
  - Create an algorithm that calculates the distance between user and store
  - Display distance between user and store in store menu list
  - Allows the user to submit a base drink to find all stores in the SJ area

### Known Problems:

- Major Bugs
  - Some restaurants don't generate coordinates
  - Some restaurants aren't scraped
  - Some restaurants with matching keywords are stored but don't sell boba drinks
  - Depending on the time the scraper is ran, there may be unexpected dynamic pop ups preventing the scraper from running (store is closed)
  - Grubhub may update its UI in the future, need functionality to deal with new UI
  - "Each child in a list should have a unique key" popup
  - If the stores list is small enough, the scrollview has extra white space
- Omissions
  - No clear options button (once a choice is made, can't be removed)
  - Cannot have more than one topping selected at a time

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12/5/23

- Randomizer for user's tea choice
  - Accounts and storing a user's favorite drink(s) on the app
  - Sorting based on price or distance
- Design Shortcuts
  - Some shops are hardcoded in the database due to the location being incorrectly scraped as well as our location scope being only San Jose
  - The data for the tea base options as well as topping options are all hardcoded
  - Some shop information is currently hardcoded until further development
  - Images are not preloaded on the app and take some time to load/show up

## Product Backlog:

- As a user, I'd like to know more information about the shops that can serve my drink
  - Database needs to scrape more info about the store (opening/closing times, logo, ratings, pricing, etc)
  - Create more UI on the store list to show all the information
  - Show the store list by order of distance from the user, with the closest store at the top and farthest store at the bottom
  - Provide a clickable to lead to the store's individual page
  - Provide another clickable to lead to the google maps app with directions to the store
- As a user, I'd like to select more than one topping for my drink
  - Change the topping implementation to an array
  - Change the backend algorithm to check for every topping required
  - Keep a "count" variable to keep stores that were off by one topping
- As a frequent user of the app, I would like to make an account and store my favorite drink combinations
  - Create a signup form for users to make accounts along with a login screen
  - Store account login information in a separate database or other structure
  - Allow users to favorite drink combinations to be saved locally to the user's device and therefore favorite screen
- As a restaurant owner, I would like to make updates to my menu or have my store on the app
  - Have a difference between customer accounts and owner accounts
  - Verification for being a restaurant owner
  - Have a form for updating a restaurant's menu in the database (POST)
- I am a user with limited time and would like to order directly from the app
  - Have the app send an order with the user's details and drink to the shop's ordering system
  - Integrate an in-app payment system and link it to the shop's ordering system
  - Update user with estimated delivery time if available