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1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
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GitHub Username: mccabebrian

CoffeeNow

Description

Write a brief summary of what your app does. What problem does your app solve?

Not sure how to write a good description? Search 5-star apps on the Play Store for inspiration.

CoffeNow is the app for on the go coffee enthusiasts. With this app, you can see all nearby coffee shops on both a map and list based view. This will help find hidden gems and order when in a rush. The app will show all coffee shops in a given area. It will also display a menu and allow for orders. The orders will go directly to the email address of the coffee shop.

Intended User

Who is your intended user? (For example, is this an app for dog owners? Families? Students? Travelers?)

Basically, this app is for coffee drinkers. For people that prefer to order in advance to avoid queue times. Or if nothing else, a guide to all nearby coffee shops.

Features

List the main features of your app. For example:

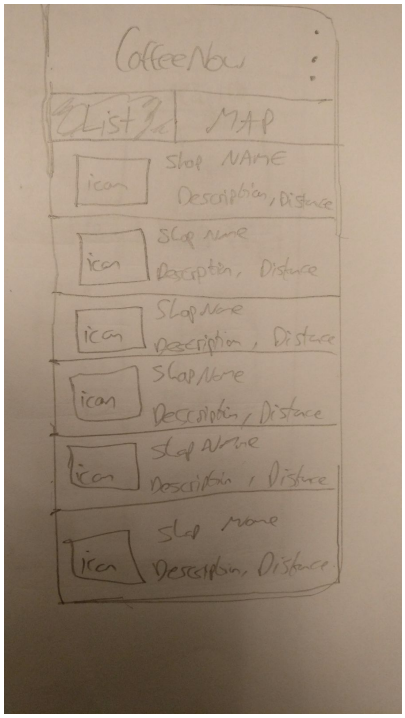
- Saves information
- Takes pictures
- Other features like that

The first screen the user will see is a map showing their current location and all the coffee shops near them. The screen will be shown a button on the screen, when pressed, the ui will toggle between map and list view. When the user clicks on a shop they like a menu is displayed, this is where the user can add to cart.

User Interface Mocks

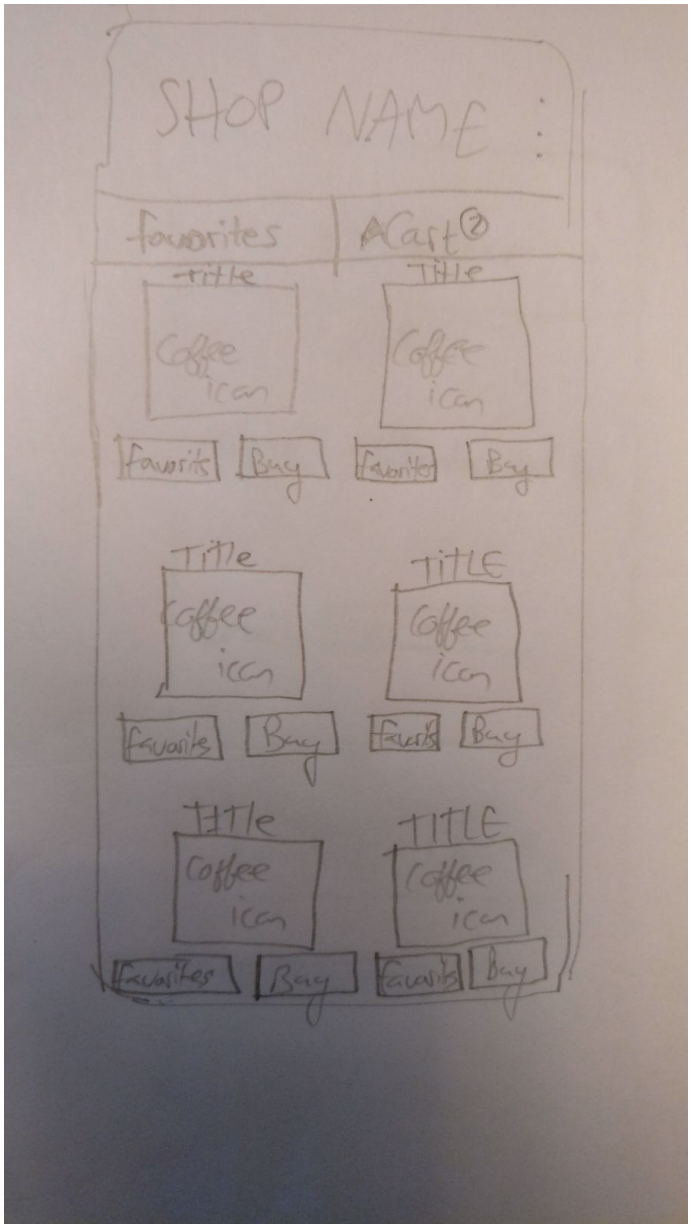
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

Screen 1: Home Screen



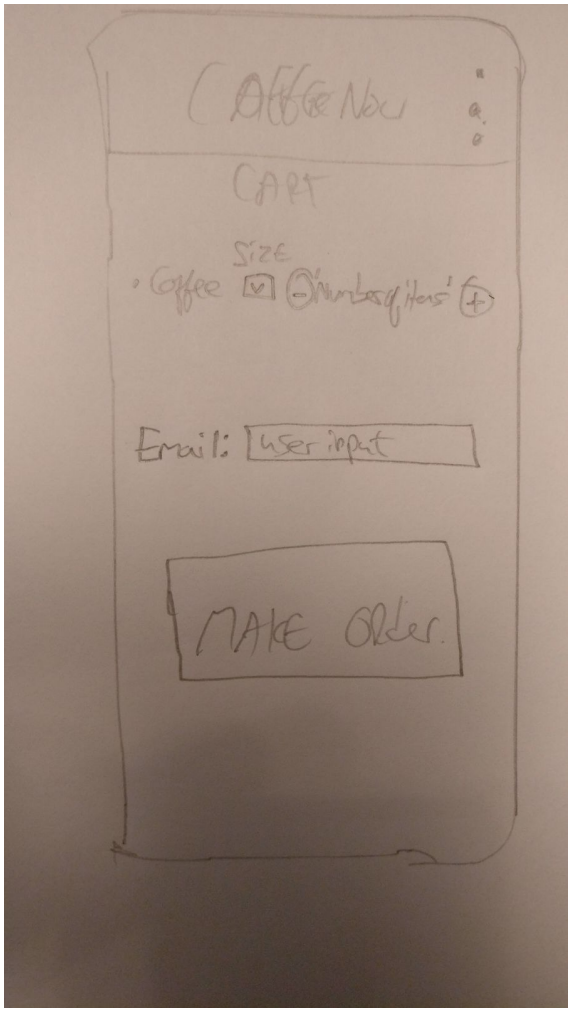
This will be the home screen of the app. It will show a list of all coffee shops in the area, each list item will contain the shop icon, name, description and distance away from the user's location based on internet location. At the top of the screen there will be two tabs, one will be highlighted as the current selection, in this case list, and the other will be map, when map is clicked the user is presented with a map view of all nearby coffee shops as markers. When either a list item or map marker is clicked the user is brought to the menu screen.

Screen 2: Menu Screen



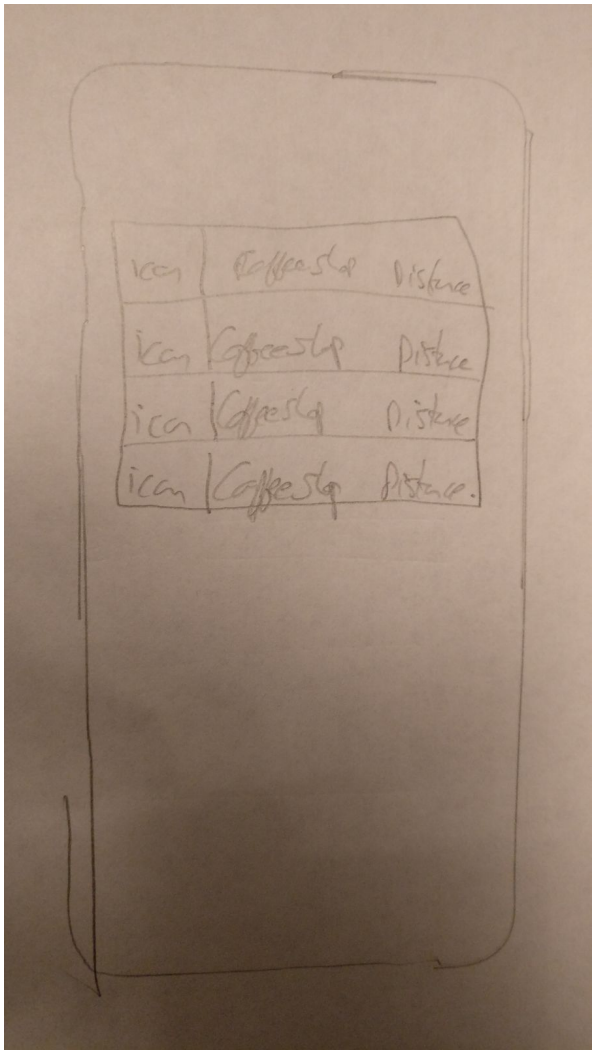
The menu screen will display a wide range of coffees. This screen will show the icon for each coffee with the coffee name above it and two buttons below it. The left button is the add to favorites button and the right is the add to cart button. At the top of the screen is two tabs, favorites and cart. When the user clicks favorites the screen displays all the items the user previously selected as add to favorites, this information will be stored in a local database. The second tab, cart brings the user to the cart screen. The number beside the cart reflects the number of items in the cart.

Screen 3: Cart



This screen displays all the items the user added to cart. On each item there will be a dropdown to specify size and number buttons to increase or decrease the number of coffees required. There is also a field for email that is required to make the order. Below this there is a button for submitting the order. Once this is pressed, the order is sent to the email address of the coffee shop. (for the project the email is sent to my personal email).

Screen 4: Widget



Widget for the app. The widget will display coffee shops in the area and the distance away, when clicked it will bring the user to the menu section of the app

Key Considerations

How will your app handle data persistence?

Describe how your app with handle data. (For example, will you build a Content Provider or connect to an existing one?)

I will use the google places api to retrieve the list of nearby coffee shops. The favorites will be stored in a local database using content Provider.

Describe any libraries you'll be using and share your reasoning for including them.

For example, Picasso or Glide to handle the loading and caching of images.

I will use google places to retrieve information on the coffee shops, picasso to load the images.

Describe how you will implement Google Play Services.

Describe which Google Play Services you will use and how.

I will use maps, and location

Next Steps: Required Tasks

Configure Gradle with the libraries that are required: google services, picasso

1. Retrieve the user's current location using either gps or internet connection.
2. Integrate the google places api
3. Call this data using an Async task
4. Parse data to local coffee models
5. Set up picasso to load the images
6. Create Toolbar
7. Create two fragments for home screen
8. Create UI for listView, first fragment
9. Create UI for mapView, second fragment
10. Populate listView with retrieved data
11. Populate MapView with retrieved data
12. Create activity for menu screen
13. Create UI for menu screen
14. Populate data for menu screen using Loader
15. Create database for favorites
16. Create uI for favorites screen
17. Create Cart Activity
18. Create UI for cart activity
19. Create Widget UI
20. Create Widget functionality
21. Implement logic for cart and sending orders

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