Assignment 1 App Report

COSC2659 - IOS Development

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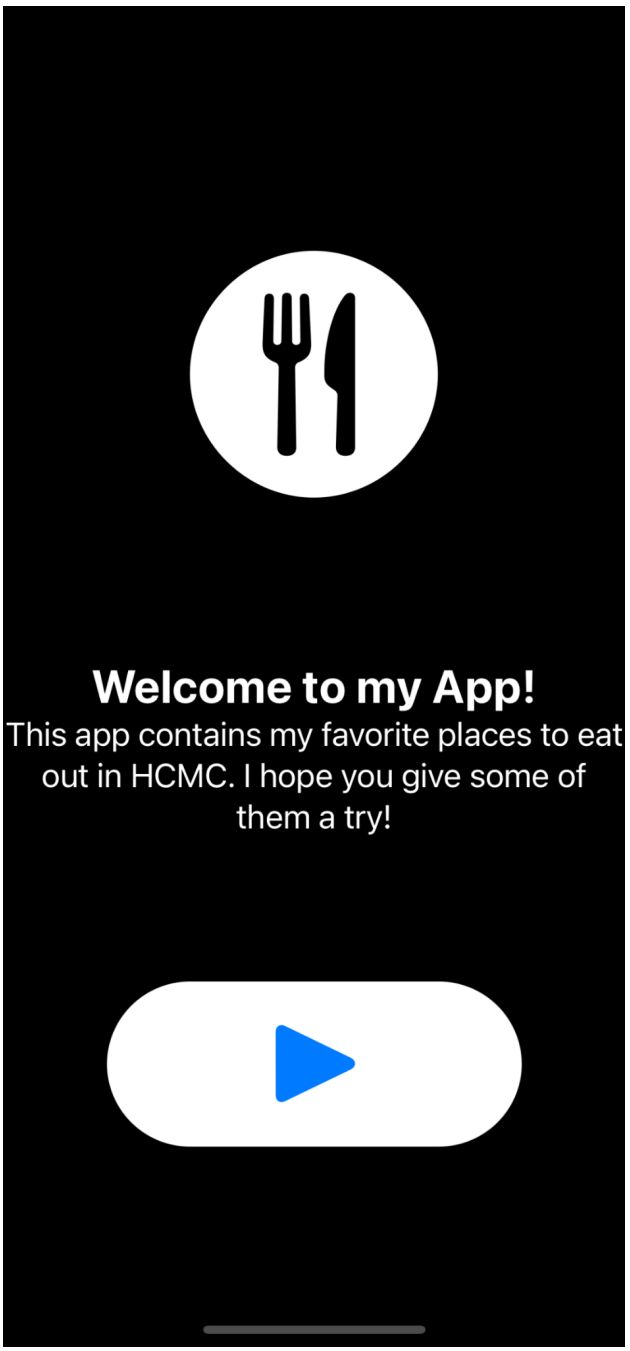
Introduction

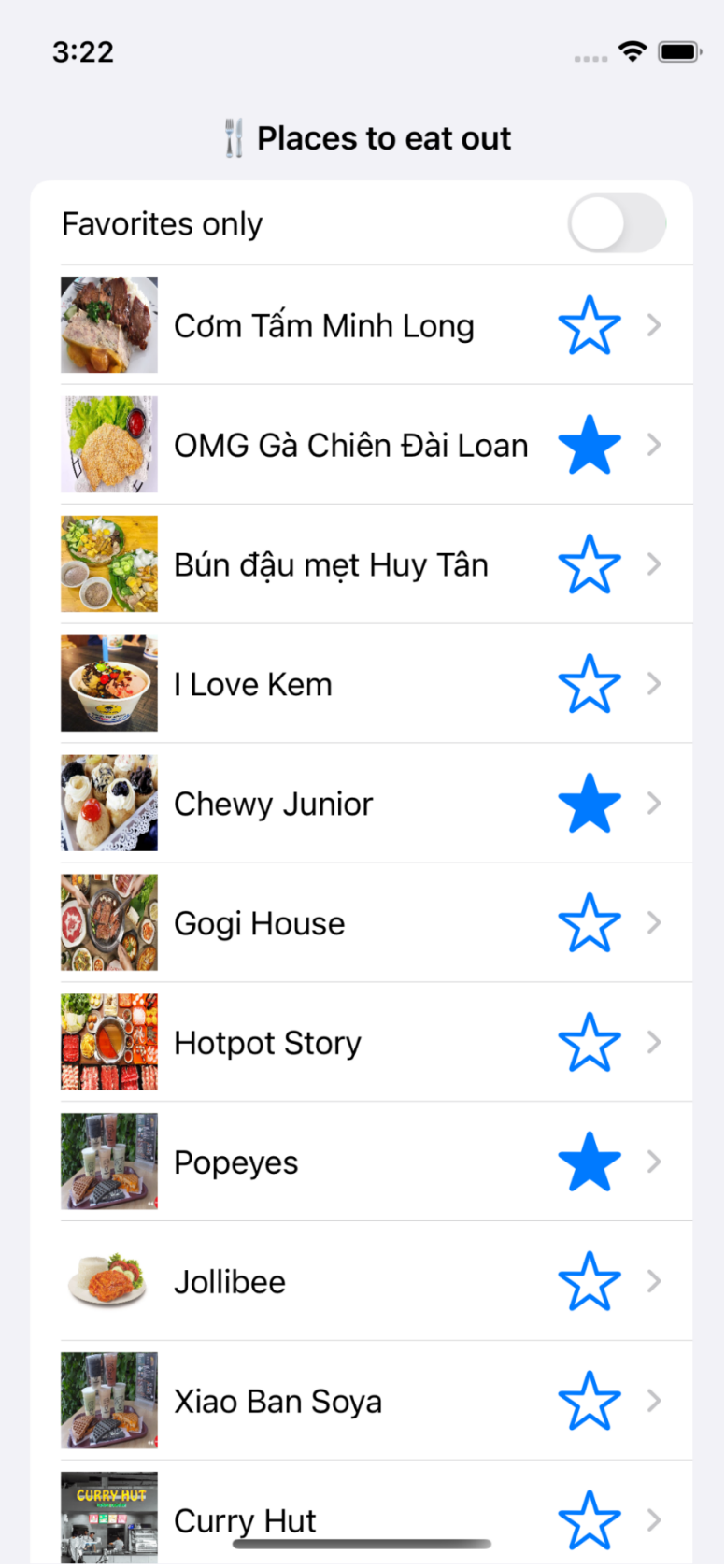
My app, called “Eating Places”, is an app that contains a list of my favorite places to eat in Ho Chi Minh City. The list has places that lets the user navigate and click on to view further detail about that place, which contains information such as name, address, price point, etc.

The motivation to make this app is because I eat out daily, and as the amount of places I’ve visited and liked continues to grow, I find that I sometimes forget about some of them. Thus came the motivation for this app’s creation, which lets me easily keep track of some of my favorite places to eat at.

App Features



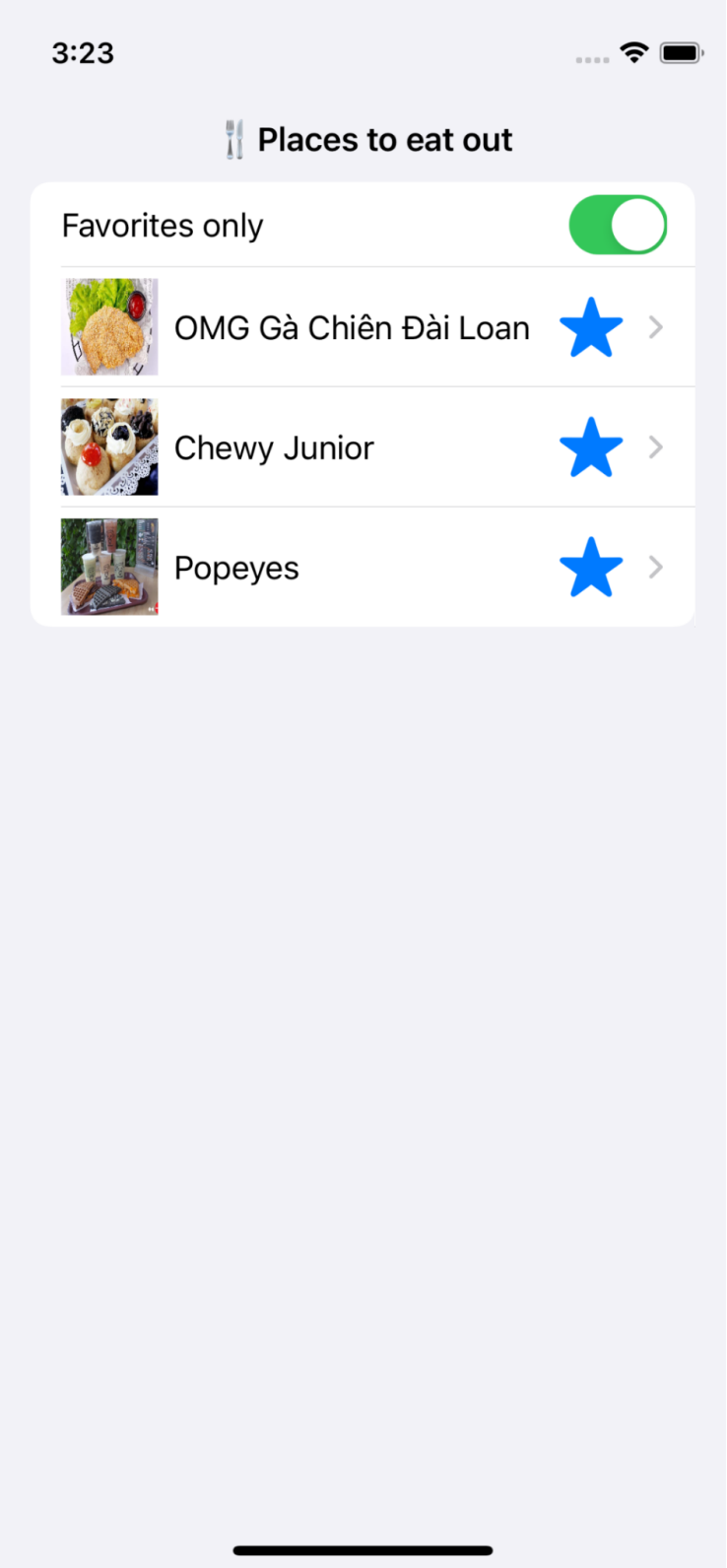
- Extra Feature - Introduction screen
    - A screen that appears when the app is opening, welcoming the user. When the button is pressed, the user is led to the main list view.
        - Done using @State and @Binding that checks if the user has clicked the button or not in order to transition



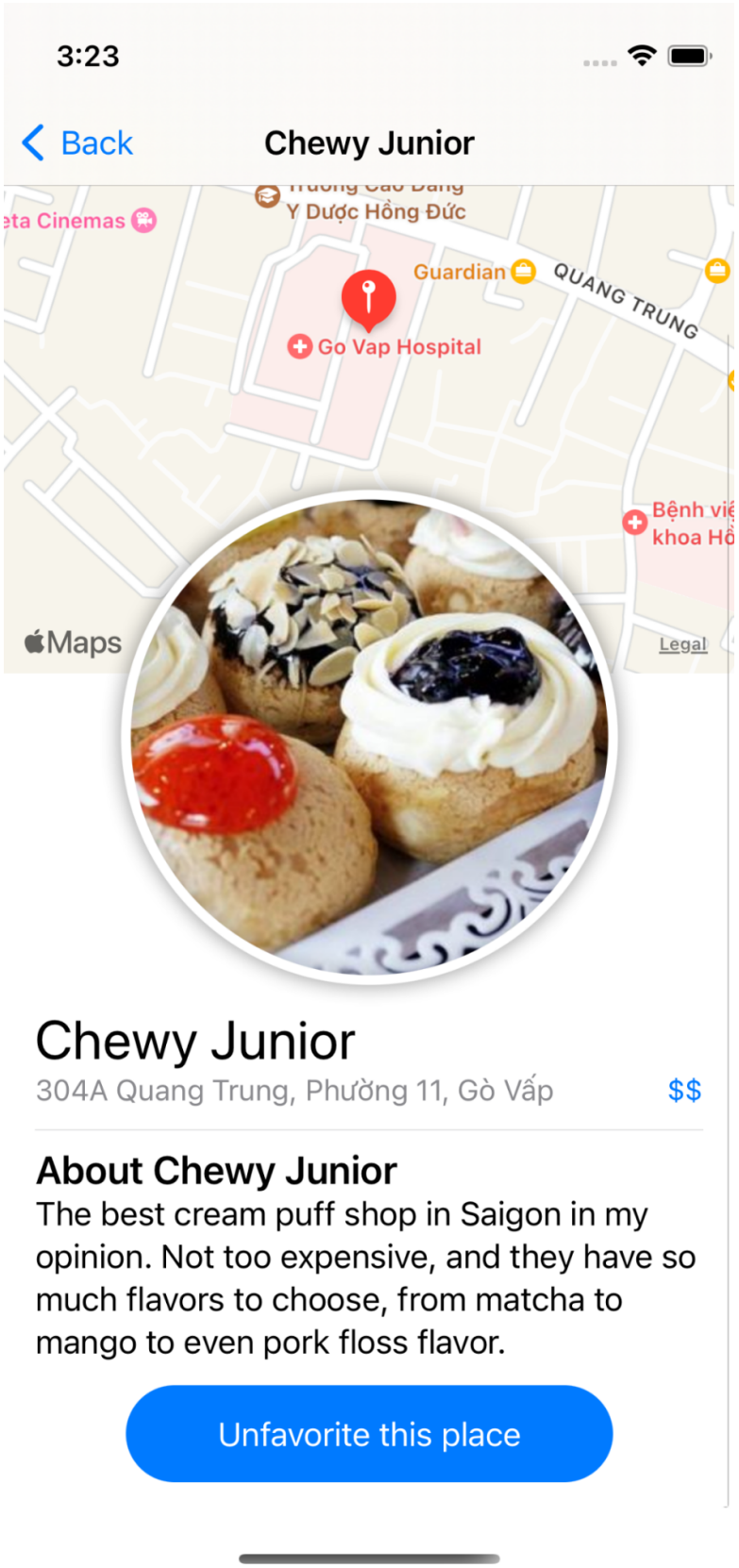
- List navigation view
    - The main view of the app is a list navigation view that contains each place's entry that has a picture, name, and a star icon indicating

whether or not the place is favorited. The user can scroll up and down the list, and clicking on a row will transition to that row's detailed view

- Made using a Navigation view that displays a List that consist of the all the places



- Extra feature - The list has a toggle button that will filter and only shows favorites places
  - Done using a @State variable that is altered by a Toggle button



- Detailed view
    - The view that is shown when the user clicks on a row in the main view. It shows the following information
        - Name of the place
        - Address
        - Price point (range from $ - $$ - $$$)
        - A short personal description about the place
            - Done using a collection of Hstack, Vstack, Zstack
    - Extra feature - A map view showing the location of the place is included in the view. In the map there is also a marker to indicate specifically where it is.
        - Done using Mapkit
    - Extra feature - There is a button at the bottom of the view that lets the user either favorite or unfavorite the place, depending on the place's current favorite status. This change will reflect in the row list with the star icon's changing.
        - Done using a boolean variable inside the Place class that indicates whether or not a place is favorited.

Link to animated gif:
https://drive.google.com/file/d/1EvgIcCCgVh75YQEzEnu2DJCJNYA3HLKG/view?usp=sharing

Limitations

- No CRUD functionality to let users add their own places
- The app doesn't remember what you have favorited after you close it and reopen it.

Potential future ideas

- Adding a regional map view of the city, with each place being a pin on the map that users can navigate to and click on, and that will pop up information about the place, similar to Google Map
- Adding a social media/contacts button in which users can click and get redirected to.
- A gallery feature that lets users view multiple food pictures belonging to the same place