



**Knight Foundation
School of Computing
and Information Sciences**

Knight Foundation School of Computing and Information Science

Fall 2023 Senior Design Project

YumFIU

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Product Owner: Michael Mullen, FIU Embrace

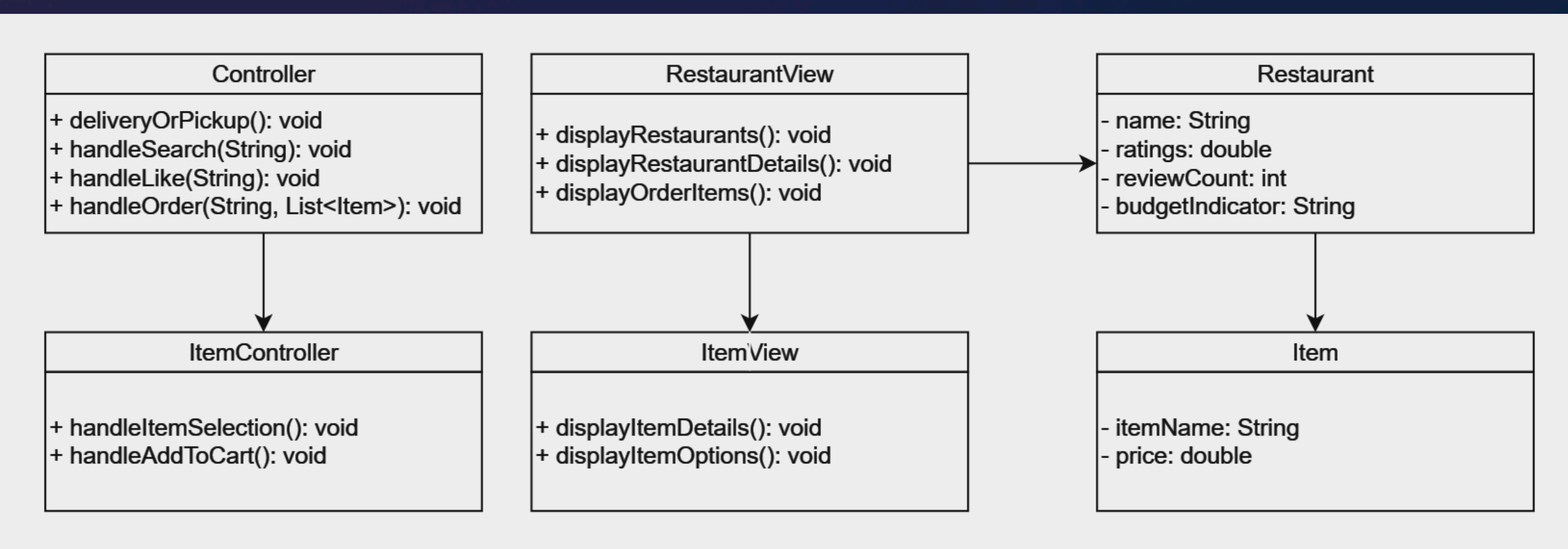
Instructor/Faculty: Dr. Masoud Sadjadi, Florida International University



PROBLEM

- FIU Embrace is focused on fostering collaboration in the university for adults and students with disabilities. The problem FIU Embrace encountered was that FIU was a large school, leading to students with disabilities having some difficulty navigating crowded restaurants on campus to utilize their services. With this in mind, FIU began seeking a delivery app for Embrace students to order food and have the orders be delivered by Embrace employees.

SYSTEM DESIGN



FUTURE FEATURES

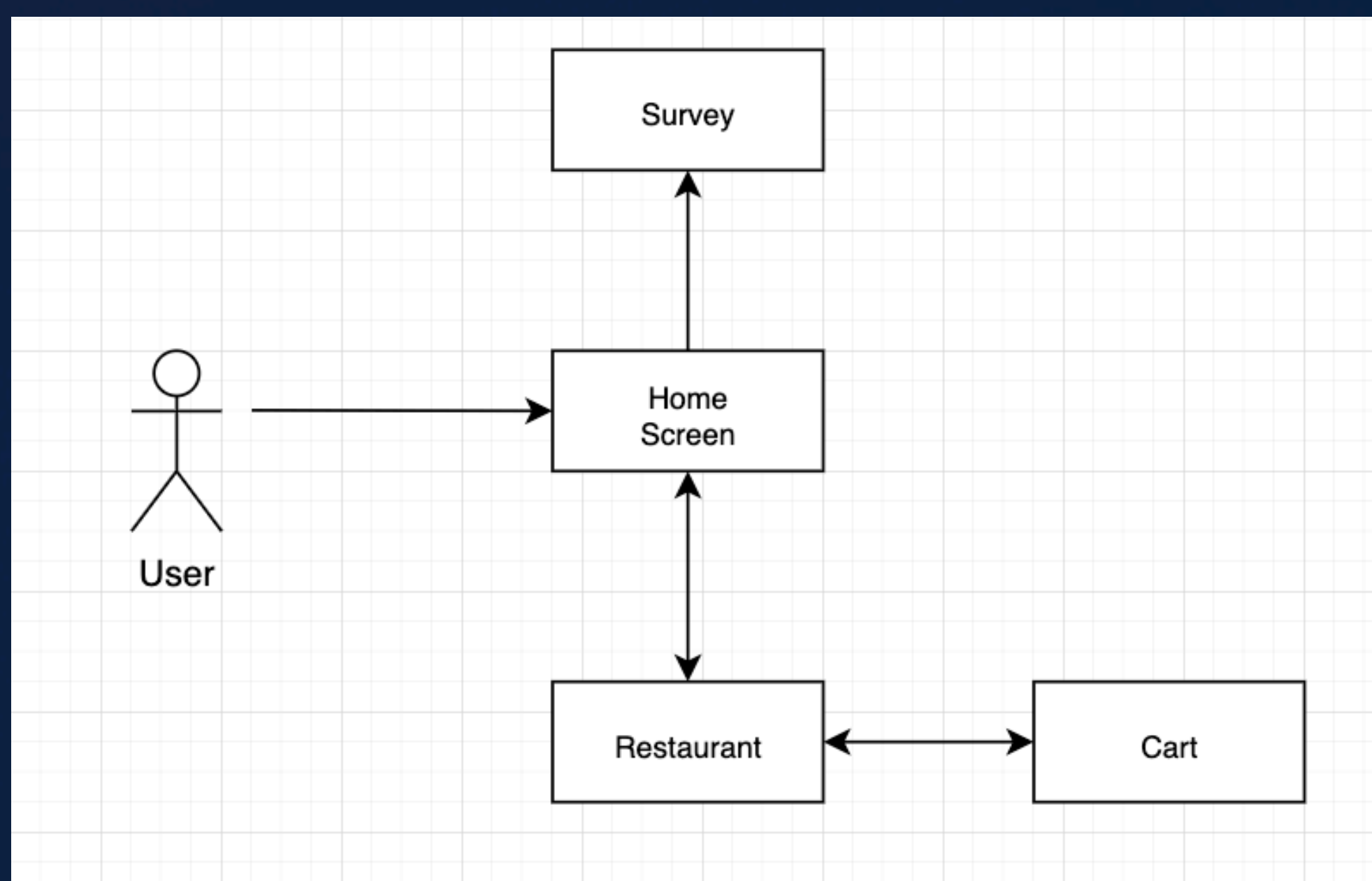
- If we had more time, we would have implemented authentication and a database so that account information could be stored.
- Next steps would be to create a system so that Embrace employees could begin taking orders from FIU restaurants to deliver food to students.
- Another feature would be to use the food court filters so that users can see which restaurants are available in different areas of FIU.



CURRENT SYSTEM

- Currently there is no application for this service.
- This application is meant to be a multi-semester project with the focus of this semester being designing and implementing a front-end along with utilizing restaurant data.

OBJECT DESIGN



SUMMARY

- Created a search bar that allows users to look up specific locations with the Google Places API. With this, the Yelp API would be able to showcase restaurants in the area that the user searched for.
- Implemented a heart button feature for restaurants so users could keep track of restaurants they liked.
- Users can maneuver to the checkout page which shows the list of items selected along with the subtotal of the cart.



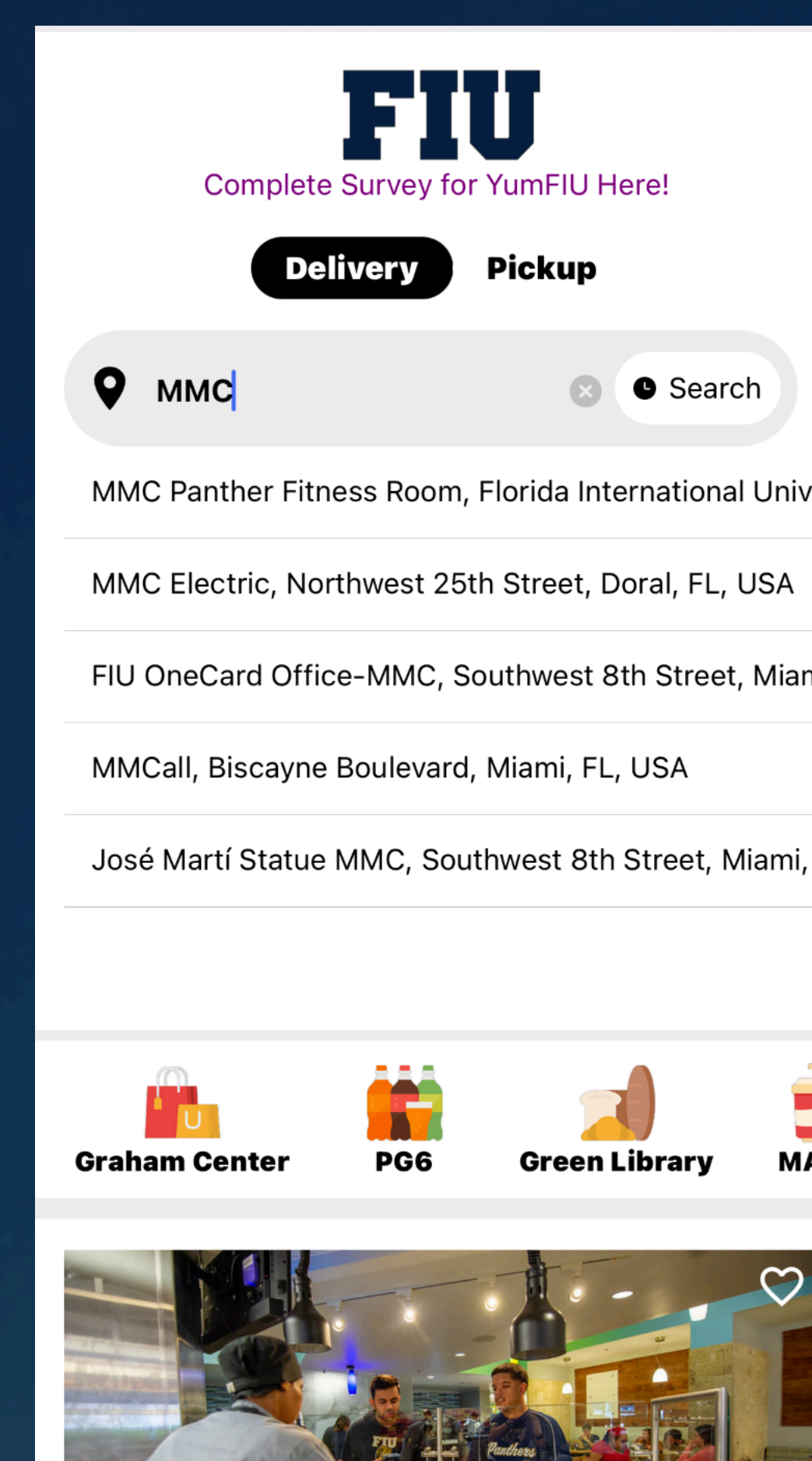
REQUIREMENTS

- Latest version of Xcode, MacOS, and iOS SDK
- Mac Computer
- Node v18.17.1 or newer
- Git

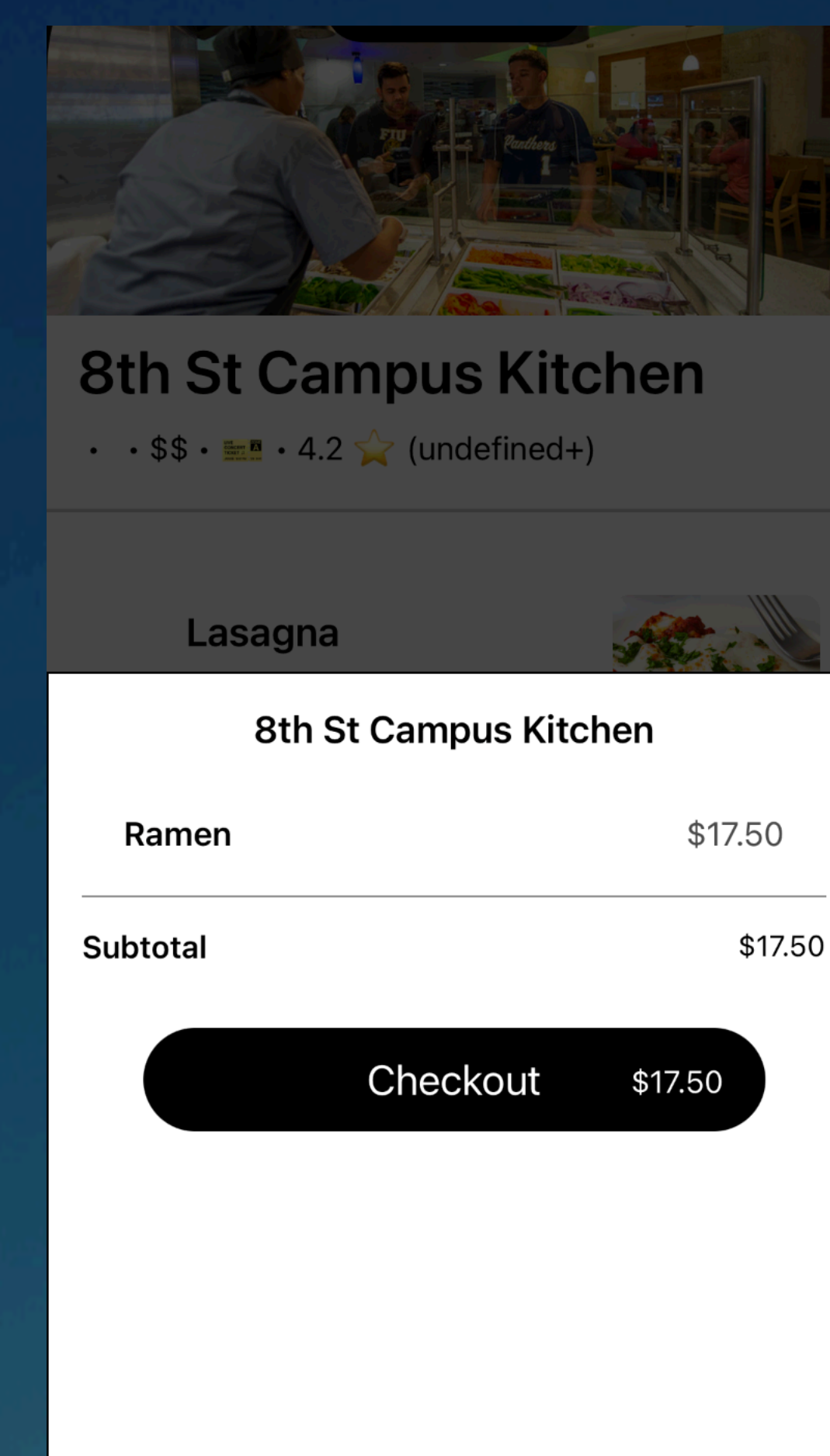
UI AND UX DESIGN

- The focus of the design of the app was to make it feel familiar to use, especially as our target audience were students with disabilities.
- Similar to how GrubHub displays the restaurants available on campus, YumFIU has the main focus set to the locations you can order from.
- Muted colors were used so that the app wasn't distracting to use when scrolling for restaurants.

SCREENSHOTS



Search Bar



Cart



**Engineering
& Computing**

ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by Michael Mullen. We/I thank Michael Mullen for his assistance and mentorship that I/we received throughout the senior design project.

FLORIDA INTERNATIONAL UNIVERSITY