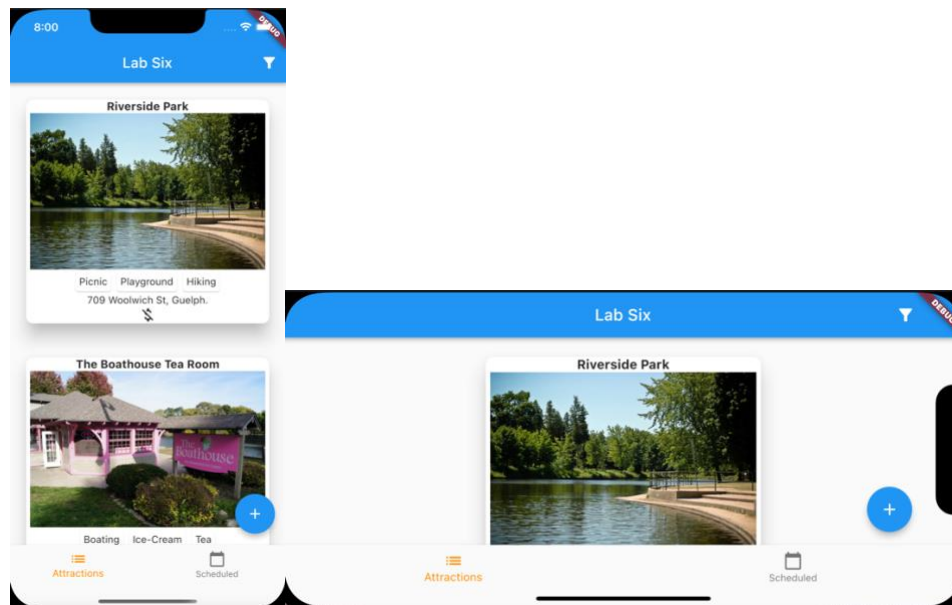


CIS*4030 – Mobile Computing – Lab Six: Responsivity

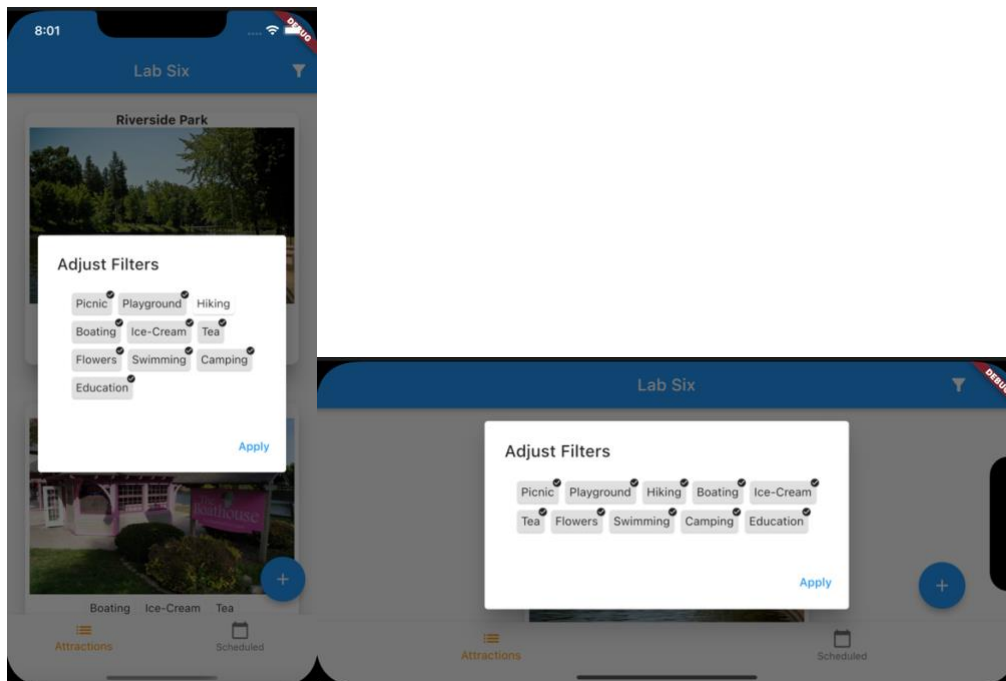
In this lab you will be learning how to make the Guelph Attractions app responsive, and you will be adding some functionality for filtering the attractions shown.

Guelph Attractions

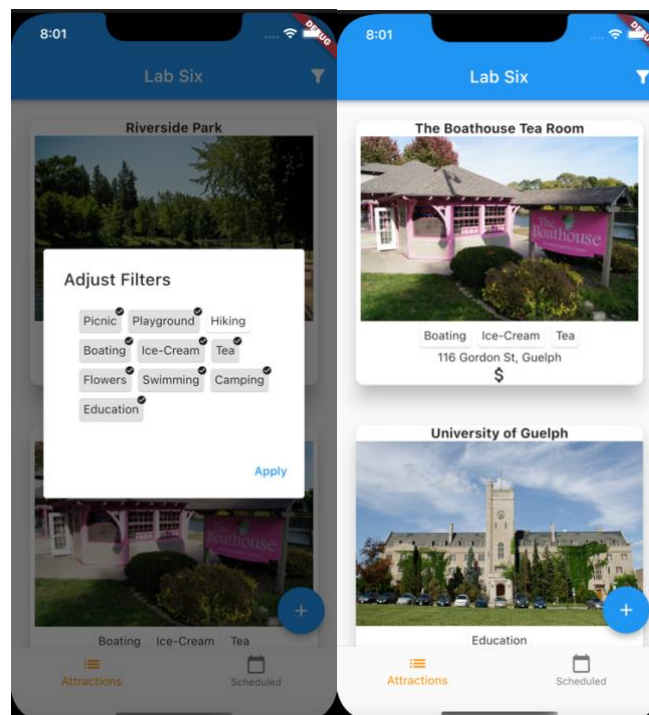
In this part of the lab, you are going to be updating the attractions app you built in the last lab. Start by renaming the app bar title to be “Lab Six – FirstName LastName”, and then remove the debug banner. Your job will be to duplicate the app that I have made based on the screenshots I have provided below.



Notice the cards size how it is the same in both landscape and portrait mode. You will need to make sure that when the phone is rotated that the size of the card is maintained. As a hint you will want to look into MediaQuery.



Similar to the cards on the main screen the filter popup will have to be sized to not take up too much space when rotated.



Finally, when you uncheck a category, all attractions that include that category should not be displayed. Here when hiking is unchecked now only the Boathouse Tea Room and the University of Guelph are shown.

Submission:

For this lab, you will need to submit a single video file (**must** be mp4, mov, or m4v format) that will show all the required functionality in use, and you will need to perform the following tasks described below in order:

- 1) Rotate your phone/emulator to landscape mode
- 2) Rotate your phone/emulator back to portrait mode
- 3) Open the filters screen
- 4) Rotate your phone/emulator to landscape mode
- 5) Rotate your phone/emulator back to portrait mode
- 6) Uncheck 'Picnic' and 'Camping'
- 7) Click anywhere not in popup (this should dismiss the popup and not save the filters you input)
- 8) Open the filters screen once more
- 9) Uncheck the 'Ice-Cream' filter
- 10) Click 'Apply'
- 11) Now scroll through to show that only the boat house has been filtered out
- 12) Open the filter screen again
- 13) Uncheck the 'Flowers' filter
- 14) Click 'Apply'
- 15) Scroll through the list to show that the University of Guelph Arboretum has been filtered out
- 16) Open the filters screen one last time
- 17) Check everything once again (all categories should be on)
- 18) Hit apply
- 19) Now scroll through the list to show that all attractions are back