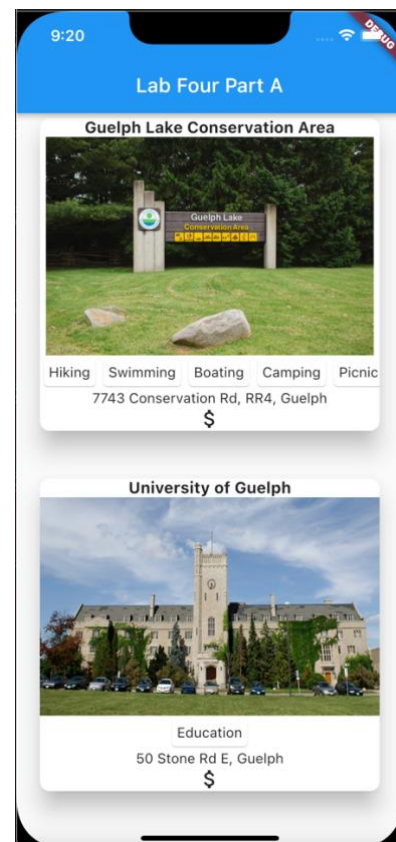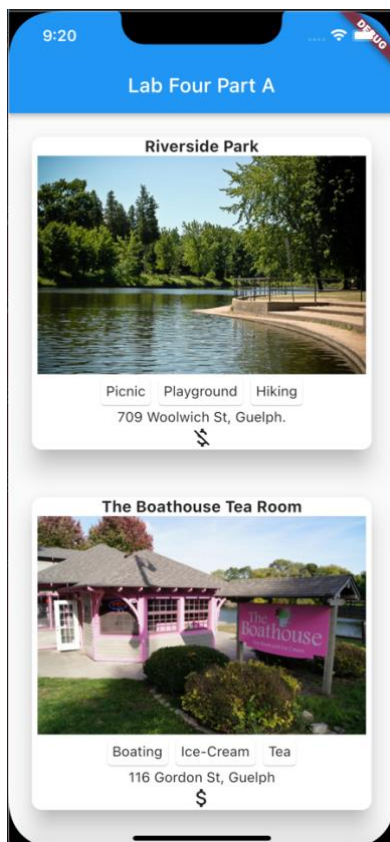# CIS*4030 – Mobile Computer – Lab Four: ListView and GridView

In this lab you will be learning how to work with ListViews and GridViews to add some scrollable components to your applications.
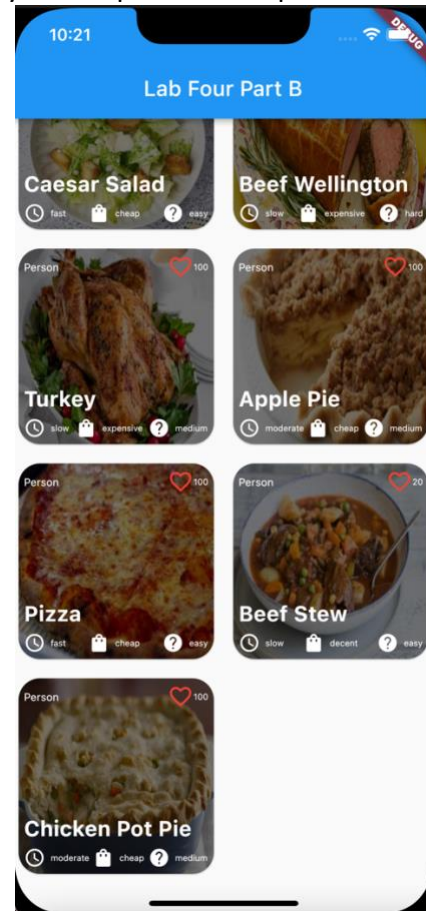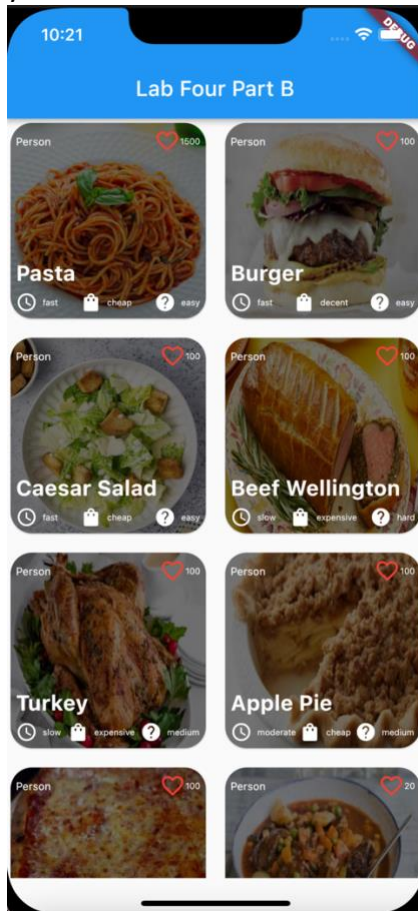
Part A: Guelph Attractions

In this part of the lab, you are going to be creating an attractions app for common attractions within Guelph. Start by creating a new flutter project, then rename the app bar title to be "Lab Four Part A – FirstName LastName", and then remove the debug banner. In this lab I will be providing you with a dart file you will have to add to the project which will hold the dummy data for the attractions you will need to use. Your job will be to take this data and turn it into an app that will need to look like the app I have created, please see the screenshots below. For this you will have to use the ListView widget in order to display all the possible attractions.

Part B: Recipe App

In this part of the lab, you will be building a recipe app to display how to make popular recipes (e.g., pasta). Start by creating a new flutter project, then rename the app bar title to be "Lab Four Part B – FirstName LastName", and then remove the debug banner. In this lab I will be providing you with a dart file you will have to add to the project which will hold the dummy data for the recipes you will need to use. Your job will be to take this data and turn it into an

app that will need to look like the app I have created, please see the screenshots below. For this you will have to use the GridView widget in order to display all the possible recipes.

Submission:

For this lab, you will need to submit a single video file (**must** be mp4, mov, or m4v format) that will show both of your apps in use and you will need to show the scrolling functionality of each as well as the display of all of the dummy data (i.e., show all the attractions and all the recipes) I have provided you with.