

CIS*4030 – Mobile Computing – Lab Eight: State Management

In this lab you will be learning how to better manage the state of your applications using the provider package.

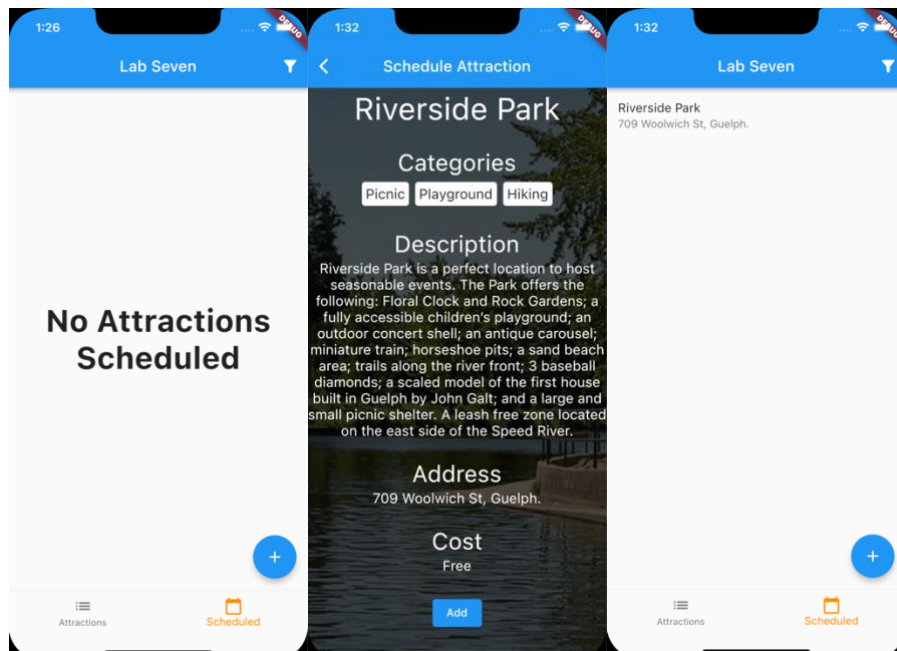
Guelph Attractions

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 Eight – 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.

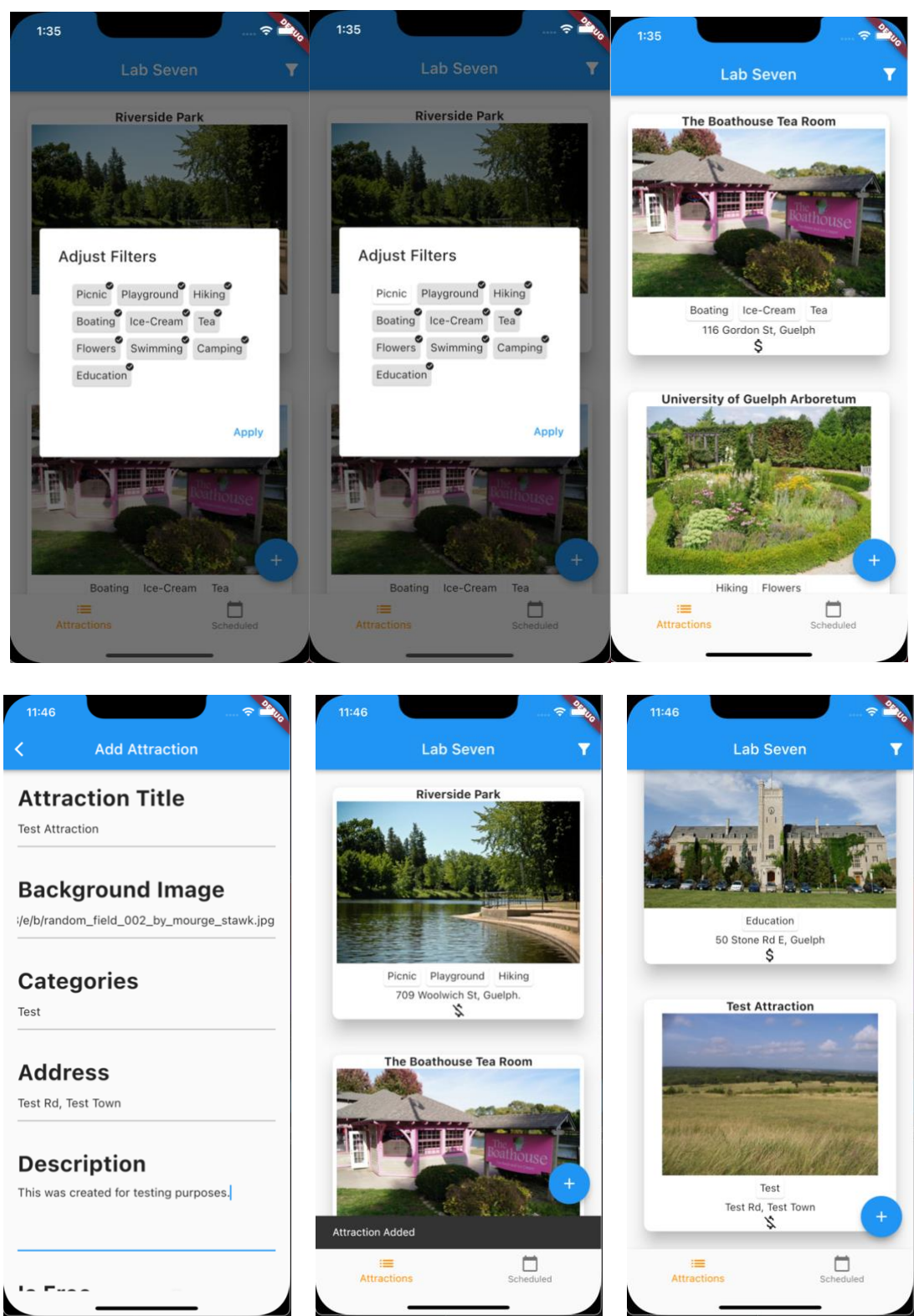
You must use the provider package to manage state in this application, for instance for the new feature of adding an attraction to the scheduled attractions list. Here is a useful example to look at for learning the provider package:

<https://docs.flutter.dev/development/data-and-backend/state-mgmt/simple>

Start by making a default screen for the scheduled attractions page. This default screen will be shown when no attractions have been scheduled. If an attraction has been added using the add button, you will list its title and address in a listview on the scheduled attractions page instead.



Using the provider package, you will also update already-existing features that present new information based on user input. Below are the cases you are expected to modify:



Submission:

For this lab, you will submit your finished project's code (everything created by 'flutter create'). Please zip the file prior to submission. Finally, your submission zip file name must include your first and last name, and the lab number (Lab08).