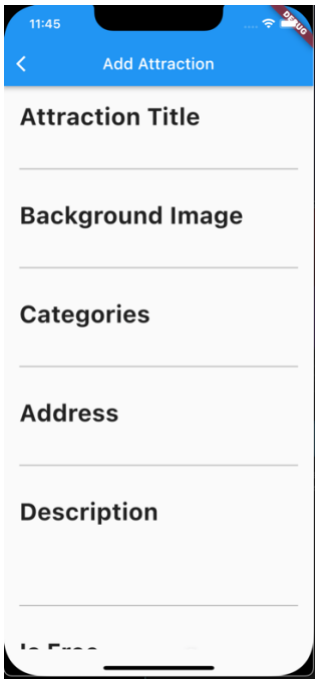
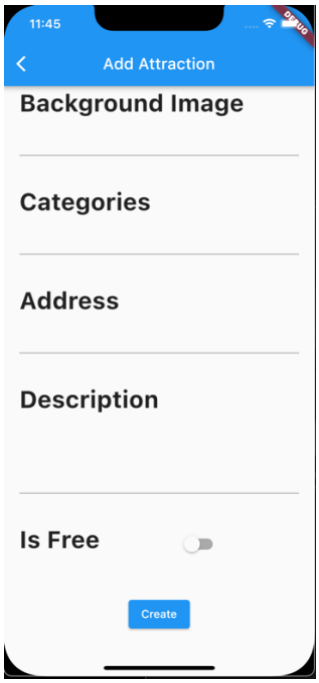
# CIS*4030 – Mobile Computing – Lab Seven: Forms

In this lab you will be learning how to make forms and input validation in flutter.

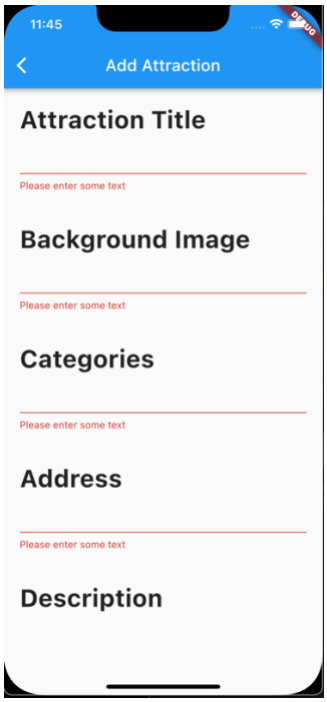
## Guelph Attractions

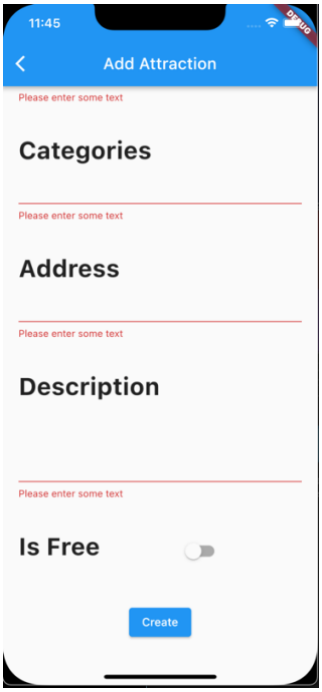
In this part of the lab, you are going to be updating the attractions app you built in the last lab. Start by renaming the app bar title to be “Lab Seven – FirstName LastName”, and then remove the debug banner. Your job will be to duplicate the app that I have made based on the screenshots I have provided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



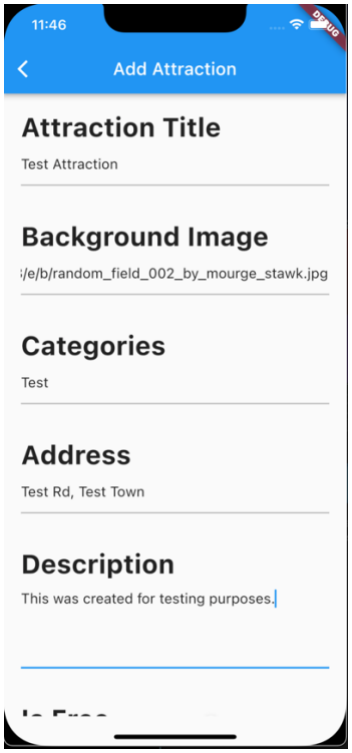



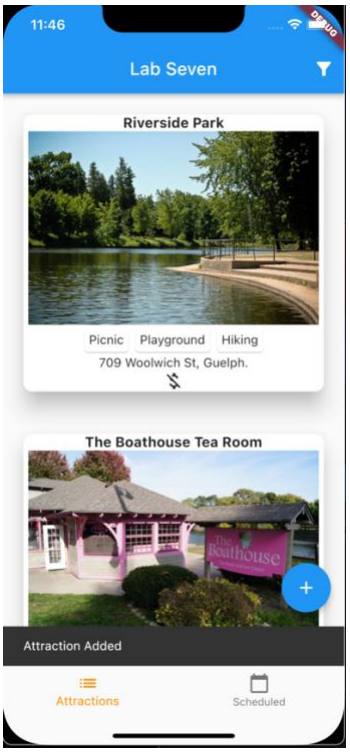

In this part you will be making a simple form to input all the data to create an attraction, which will build on the blank add attraction page you built previously. I say simple as we are not going to deal with accurately inputting images, categories, and addresses. For the purposes of this lab, we will assume that the form must be used in a specific way. Please take a look at the following link:
https://docs.flutter.dev/cookbook/forms/validation
as it will help a lot with the completion of this lab.




If nothing is entered and the ‘create’ button is clicked, then the attraction will not be created and instead messages will appear below all fields which have not met the validation logic (in this case they must not be empty).



Next, if the form is filled in and the create button is then clicked, then the attraction will be successfully created, and we will have a snackbar display that the attraction was added with 'Attraction Added'. Further, the attraction will also be added to the list and can be found at the bottom of attractions list.

## 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) Press the '+' floating action button
2) Without entering anything in any of the fields scroll down and click the 'create' button
3) Now fill in all the information and be sure that for the background image to copy and paste a link. For the categories to just add one value, as it is not expected for you to parse out a list of categories. You can copy what I put if you would like (or you can add your own attraction):
    a. Attraction Title: Test Attraction
    b. Background Image:
    http://img03.deviantart.net/a40d/i/2008/003/e/b/random_field_002_by_mourge_stawk.jpg
    c. Categories: Test
    d. Address: Test Rd, Test Town
    e. Description: This was created for testing purposes.
    f. Is Free: true
4) Now click create
5) Then finally, scroll down the list of attractions.