**Introduction**

The purpose of this lab is to give you practice using the following new UI Controls

* ImageView
* Slider
* AlertController
* Switch

**Tip Calculator**

Create a calculator that has:

* An image of food or a restaurant (or whatever) at the top
* A TextField for entering the total amount of the meal
* A slider with a minimum of 0 and a max of 20 (or whatever values your generosity dictates) to determine the tip percentage
  + The tip percentage and amount will be shown in labels
* A TextField for entering the tax percentage
  + The tax amount will be shown in a label
  + There will be a switch for turning tax on or off
* A label that displays the total
* An Action Sheet that is triggered when you turn on or off the tax calculation. The Action sheet will ask the user if they really want to turn this calculation on or off (two separate messages).

The Actions that should be handled are shown below. All of these actions should be handled by a single action method. The method should update all the calculations.

* Slider values changing
* Meal amount value change
* Tax percentage value change
* Tax switch value change

A suggested layout for the screen is shown on the next page.

Alternative lab assignment  
Propose an app of your choice that uses all the same controls as the Tip Calculator described above.

**Submission**

* Beta Version
  + Put the screen shots in a document, label each screen shot. Put the document in the top level of your solution folder.
  + Zip the solution folder and post it in the Beta + Review forum.
* **Release Version**
  + After giving and getting a code review, revise your code.
  + Upload the

