

CSC 118 Final Project 150 Points

User Interface – please see video explanation (25 points)

Must be functional with correct connections and functionality described below

- Label that is an outlet (can be changed by the code)
- Change background color
- Six Buttons with images
- StackView and Constraints (please refer to Streaming Application Video explanation)
- UI will be graded on a professional look and layout

Assets – please see video explanation (included)

Must have images for six buttons (included with starter project)

Must have sounds for six buttons (included with starter project)

Functionality (ViewController) – please see video explanation (125 points)

- **Each button press:**
 - triggers a unique alert box with information about the button contents
 - alert box allows dismissal (see video)
 - triggers an event such as plays a sound
 - updates a label
- **Keep a total /reset** (note: this portion is worth 25/125 points, you are welcome to skip this portion if you'd like to forfeit those points – this is the “challenge” portion of this project and something you must solve on your own without teacher guidance – you do have the skills for this in our lessons, meaning you have the skills to create variables and complete math expressions and update labels)
 - Assign a numerical value to each button/animal, they can be positive or negative
 - Add a label, or labels to display the total value
 - Each time a button is pressed, update a total and display that on a label for that total
 - You decide where to put the label, and what values to assign to each animal
 - Provide a reset button that puts the total back to zero, be sure to update the label(s) accordingly

**** TIP – Get one animal working then work on the next... do one at a time until you see how to make them all work, then finish up the rest.**