CSCI2720   **Assignment #2**   **Due: 30 Oct, 2015**

Full score: 10 + 2 points

Objective: Your objective is to create a user interface that meets the following specification:

Basic Part (10 points)

1. The user interface contains 15 <u>toggle</u> buttons and an output field.

2. Each button should show a fruit image clipped from "giphy.gif".
    - You should use CSS to clip the individual fruit image from giphy.gif .
    - You can check out http://www.w3schools.com/css/css_image_sprites.asp to find out how CSS can be used to clip a piece of image from an image.

3. Arrange the buttons in a grid of 5 rows by 3 columns.

4. Each button has two states – "selected" and "unselected". Button in different states should appear differently in your UI. Initially all buttons are in "unselected" state.

5. Each button has a value and the value of the button located at row X, column Y is $((X-1)*3 + Y)$. e.g., the button at the upper left corner (row 1, column 1) has value 1, and the button at row 5, column 3, has value 15.

6. Whenever a user clicks a button, your UI should show the sum of the values of the selected button in the output field.

Bonus Part (2 points)

7. Whenever a button in the first column change to "selected" state, all the other buttons in the first column should be changed to "unselected" state. That is, you need to make sure only one button in the first column can be in selected state.

Note: You are free to decorate the UI anyway you want as long as the above specification is satisfied. For example, you can try to create buttons with rounded corner.

Submission
To turn in your solution, archive all your files into a ZIP or ARJ file and submit the file to eLearn.

Note:

Source of the fruit image sprite: http://giphy.com/gifs/transparent-pixel-colorful-R1UgCpWjPngYw