CS352 -- Interactive Computer Graphics
Project 2: Self Portrait

In this project you will read through some tutorials on HTML Canvas and create your first Canvas program: a self portrait. Since the purpose is to become acquainted with Canvas, the program need not be realistic or complex or detailed. (We’ll try not to look at the result and draw conclusions about what you think of yourself. ;-) The program should use each of the HTML5 primitives—rectangles, paths, text, and images—at least once. It should also use colors, a filled shape, and a gradient.

For full credit you should also add a slider, checkbox, and button to the user interface. The controls should control some aspect of the rendering. For example, the checkbox could add a “scruff of legends,” the slider could make the eyes beadier, and the button could add additional horns.

Before writing your program, read through the first four sections of the Mozilla Developer Network tutorial on Canvas (https://developer.mozilla.org/en/canvas_tutorial) – the sections entitled

- Basic usage
- Drawing shapes
- Using images
- Applying styles and colors

Keep your HTML and JavaScript code in separate files. Turn in your program by copying the files into a public_html/352/proj2 directory on a ulab machine. I’ll access them from the projects Web page. Also fill out the grading page on the opposite side of this sheet and turn it in.
CS 352 Project 2: Self Portrait
Grading Sheet

Name ___________________________ Date turned in ________ Late? ______

Parts of the program I didn’t get to work:

Comments on this assignment:

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For grader’s use

Program that compiles and runs (50) ___

Uses rectangle, path, text, and image primitives (10) ___

Use drawing attributes including stroke color, fill color, gradient (10) ___

Slider, checkbox, button control rendering (10) ___

Creativity: interesting, attractive portrait? (10) ___

Programming style, submission process (10) ___