

COMP 307
Principles of Web Development

Mini Assignment 4
Due: October 12, 2016

For this mini assignment, you will be practicing how to use the HTML 5 Canvas tag with JavaScript.

Create a single webpage that displays an empty, white, canvas 400 X 300 pixels in dimension. It does not matter where exactly, but below the canvas position a button. This will be a tri-state button. A tri-state button is a regular button except that each time it is pressed it performs a different action. The first time the button is pressed, it displays a stick figure house (square with triangle) on the canvas. The second time the button is pressed a sun is added (circle with 7 rays/lines). The third press of the button clears the canvas back to white. Pressing the button a fourth time cycles the tri-state displaying the house once again, etc.

To do this properly, when adding the sun to the canvas, do not redraw the house. Just add the sun to the canvas without redrawing the house.

FOR THE GLORY

Make the rays of the sun move (shine!).

WHAT TO HAND IN

The HTML page with the JavaScript imbedded, and a README stating which browser you used.