

## CSE 3302 Lab Assignment 5

Due November 20, 2013

### Goals:

Understanding of prototypal inheritance in JavaScript.

### Requirements:

1. Modify the solution to lab 2 from Summer 2013 for the following revised requirements:
  - a. Include turquoise as a fill color and stroke color.
  - b. Include additional stroke thicknesses of 6 through 10.
  - c. The dimensions of a box must be large enough for the fill color to be relevant. In particular, the coordinate difference for each dimension must be larger than twice the the stroke thickness. This applies for:
    1. Drawing a new box. If a coordinate difference is too small, then a gray X-box should appear. If a mouseup occurs for such a box, then output a message to the textarea and discard the box.
    2. Applying “Set Properties” to an existing box. If the new stroke thickness setting (including “Inherit”) leads to a coordinate difference that is too small, then output a message to the textarea and make no changes to box properties.
2. Email your code, as a zipped attachment, to `sourabh.bose@mavs.uta.edu` by 12:45 p.m. on November 20, 2013. (Sending `.js` files as ordinary attachments will be blocked by MavMail.)

### Getting Started:

1. The relevant files are at: <http://ranger.uta.edu/~weems/NOTES3302/LAB2SUM13/>
2. Suppose the stroke thickness is 5, then:
  - a. A box with bounding box corners (100, 100) and (200, 110) is invalid.
  - b. A box with bounding box corners (200, 300) and (211, 400) is valid.
3. You may implement the UI changes by keeping the radio boxes or changing to a different form element.