CSC 395 Web & Mobile App   Module 5: HTML 5 Canvas, SVG, and JavaScript Animation

Objective: To use HTML 5 Canvas and SVG (Scalable Vector Graphics) to create dynamic graphics images.

Scenario: You are to create graphics and animation using Canvas, SVG and JavaScript. You can add these files to the crudjsp web that you create from last week.

Step 1: Create a new file in your WebContent, called **LASTNAME_Canvas.html**
(reference: http://www.w3schools.com/html/html5_canvas.asp   )

   A. Using Given example to draw line, circle, boxes, text, and gradient to create a nice drawing.
       Make sure that you have a theme or story of this picture
       You should have the minimum of
         - 5 circles
         - 5 boxes
         - 5 lines
         - 3 texts
         - At least 5 colors
         - Different gradients when filled the circles/boxes

   B.   Adding Animation: http://www.w3schools.com/js/js_timing.asp
         - Using timer to create animation of your canvas – e.g. to move some circles around
         - You should have at least 5 sequence of animations
           [Think about your first assignment]

Step 2: Create a new file in your WebContent, called **LASTNAME_SVG.html**
(reference: http://www.w3schools.com/html/html5_svg.asp)
   – Similar to what you did using Canvas, now you will create it using SVG. You may choose different features of SVG

Step 3: Create a new file in your WebContent, called **LASTNAME_myAnimation.html**
   – Based on what you see examples and play with Canvas, SVG, and Module 1 assignment.
   – You will create you are to create an interactive web-application, similar to Module 1 assignment (but cannot the same).
   – Make sure to integrate CSS, JavaScript, HTML!!!   And Have fun!

Submission: **(first version submit by end the of class, Feb 25th and final version by Friday, Feb 27th)**
   - **Source code** (LASTNAME_M5.zip): you can zip an entire webapp folder, or just the files that you created
   - **Word Document** (LASTNAME_M5.docx): screenshots of your webpages, at least one per page, to show it should look.