

Lab 3

Introduction

This lab will have you do some basic drawing with the HTML canvas API. Everything in this lab should be familiar based on our class demos.

Objective

Use the provided HTML base file to create a canvas drawing. There is an attached Lab3.png image to show what your lab should look like. For graduate students there is an attached Grad-Lab3.mov to show the animation features you need to accomplish.

Requirements

- All HTML tags and page structure should be **HTML5** compliant
- JavaScript drawing code should be embedded in html page where provided
- You should not have to edit the HTML file other than add JavaScript for drawing.
- Do not use any libraries for this lab at all. No jQuery, No EaselJS, No other canvas library
- General Layout, shape position, shape colors, shape size should be very similar. Slight variation is ok.
- Canvas is 600px x 450px
- The canvas is drawn or the animation starts when the Draw Canvas button is pressed.
- Canvas should have a linear gradient fill in the background (drawn in the canvas not css in the html) from white to black.
- The title text is 32px in sans-serif font
- The name and email text is 14px in sans-serif font
- Use your best judgment for line widths and styles to make the canvas look similar.
- I used a quadratic curve for the dotted line.
- School of Applied Technology logo is included but it is not the correct size. You will need to scale the file or use the drawing commands that let you scale the image as you draw it to the canvas.
- Colors used were:
 - Blue = #0000C8
 - Orange = #FFA500
 - Green = #00C800
 - Red = #C80000

Graduate Additional Requirements

If you are involved in **any section of 562** you need to complete the additional requirements listed here.

Animate the middle arc and the rectangle as shown in the Grad-Lab3.mov.

README File

Not Required for this Lab

Due Date / Late Policy

This assignment is due **Wednesday March 30, 2016 11:59 PM Chicago Time**. See syllabus for full late policy. **No Extensions**.

Submission Guidelines

You must upload your submission, to the blackboard assignment by the due date. The submission must be in the following format and structure. If you do not submit your assignment exactly as specified, you will receive an immediate 5% deduction.

Submission Format Specification:

YourUsername_YourIdA#_lab3.zip

Zip your HTML file and the Logo image together in the above formatted zip file.