Programming Assignment 2 [5 points]
Handed out on 2/16/2020
Due on 3/1/2020

<u>**User Interaction/Callbacks**</u>
This assignment will extend the assignment 1 by adding the following input controls and callback handlers:
- number of points through a slider
- color thro either rgb text boxes or color picker
- buttons to perform specific actions
- display status as processing happens

Here is a mockup—you are free to design your own interface:

Your Selection

Number of Points:

RGB (0-255):

Color:

Display   Animate   Clear

Status:

use the gasket1.html and gasket1.js which are explained in Ch 2. Using these files as the baseline, do

following

- move all JS code out of html file
- draw following in continuous loop—say 10 times
  - change color—each iteration will be different color
  - change size of image—large to small in steps and back to original size
  - vary number of points in steps of 500-5000

Files may be found in
http://cs.uml.edu/~kseethar/Spring2020/programs/p1/

Deliverables
- Source files
- Sample Input/output
- 1 page report : Write about issues faced, lessons learned, any remaining bugs etc.

Extra Credit
- any other functionality …. – please document in report and code.

Deadline and Late Submissions
- The assignment is due on the date specified above at 11:59:59 PM
- Each day late will incur a penalty of 5% of the grade for the assignment; for example, if the assignment is 3 days late, the maximum grade will be 85 out of 100—15 will be subtracted from whatever grade is assigned.