Programming Assignment 2 [5 points]
Handed out on 2/6/2025
Due on 2/23/2025

User Interaction/Callbacks

This assignment will extend the assignment 1 by adding the following input controls and callback handlers:

- number of points through a slider or through a text box
- animation speed through a slider or through a text box
- view port size through a slider or through a text box
- color through either RGB text boxes or color picker
- other buttons to perform specific actions such as Animate/Stop/Pause etc
- display status as processing happens
- make your layout nice and aligned

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

Deliverables
- Source files
- Sample Input/output—if applicable
- 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.