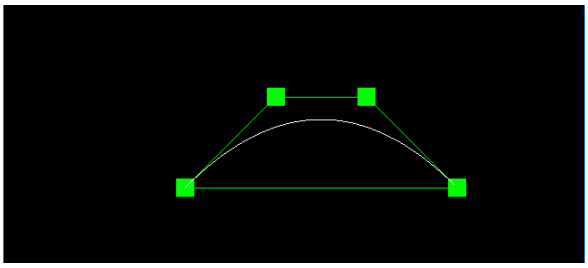
Computer Graphics, Lab Assignment 9

Handed out: May 29, 2019

Recommended due: 15:00, May 29, 2019

Hard due: 23:59, May 29, 2019 **(NO SCORE for late submissions!)**

Submit your assignment only through the page of this course at git address

1. Write down a Python program to visualize a Bezier curve.
   A. Start from uploaded LabAssignment9-1-code-skeleton.py, modify this program to draw a Bezier curve instead of a line
   B. About LabAssignment9-code-skeleton.py:
      i. It draws a line segment between two end points.
      ii. You can drag the end points.
   C. In your modified program, control points p0, p1, p2, p3 should be draggable and rendered in green.
   D. Draw the edges of the control polygon in green as well.
      i. 
   E. Initial value of control points:
      i.
```
p0 = np.array([100.,200.])
p1 = np.array([200.,300.])
p2 = np.array([300.,300.])
p3 = np.array([400.,200.])
```
   F. Set the window title to **[studentID]-[assignment#]-[prob#]** and the window size to (480,480).
   G. Expected result: Uploaded LabAssignment9.mp4
   H. Submit a single .py file - **[studentID]-[assignment#]-[prob#].py**