

CMPS4143: Contemporary Programming Languages
Major Programming Assignment 7
Due: Wednesday, Nov. 14, 2018 40 points

PURPOSE: To apply graphics concepts.

PROBLEM: Your task is to develop a graphics program to display a picture using methods from Graphics. It could be a happy face, a landscape, an abstract, etc. Your program should set up a drawing area *on a panel* with a size of *at least* 640x480. It should use at least the following methods

- Fill methods to draw at least one ellipse and at least one rectangle
- DrawString
- OnPaint

You will be judged on your artwork!

Extra credit:

- Your program could repeatedly flash the image on the screen. Do this by interspersing the image with a plain background-color image. (2 points)
- Animate a series of drawings you make. (3 points)
- Include ONE button to start/stop the animation –the label on the button should change. (2 points)

INPUT: None

OUTPUT: All output is to the monitor. Print out screen dumps.

TURN IN all materials in a 9x12 envelope:

- 1) Print out of documented Source code
- 2) Screen dump(s) of image(s) when running
- 3) Application on some storage media (including project and application).

- You are NOT to work with a partner.
- You can help someone if they need it, *by talking about it*. Only help the same person once. (Yeah, that means a person can get help from different people for different things.)