Lab 2

Submitted by :
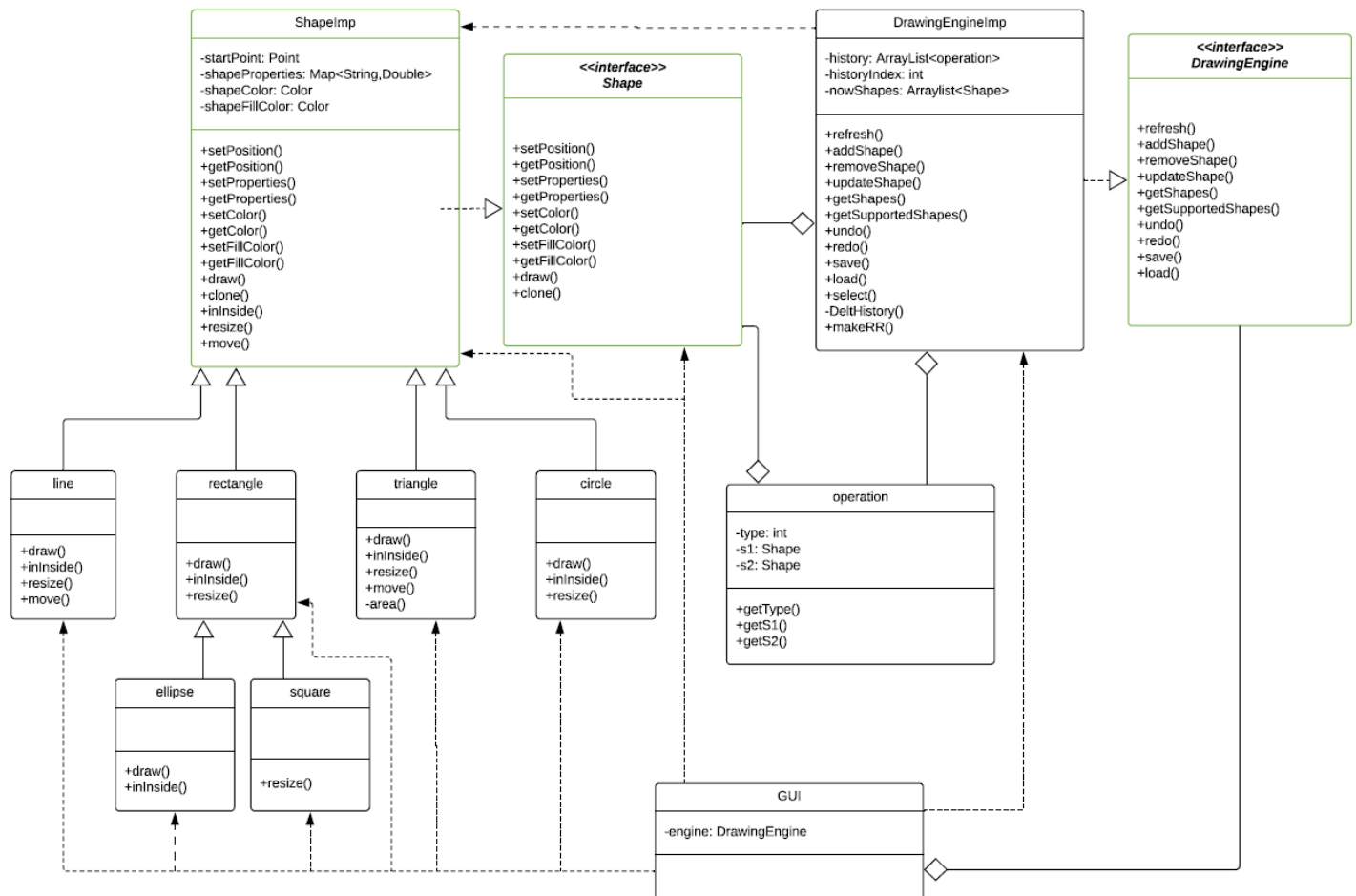
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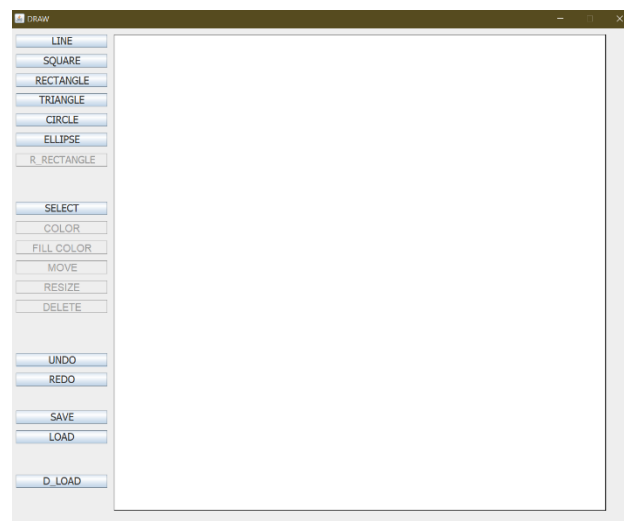*Computer and Systems Engineering Department*
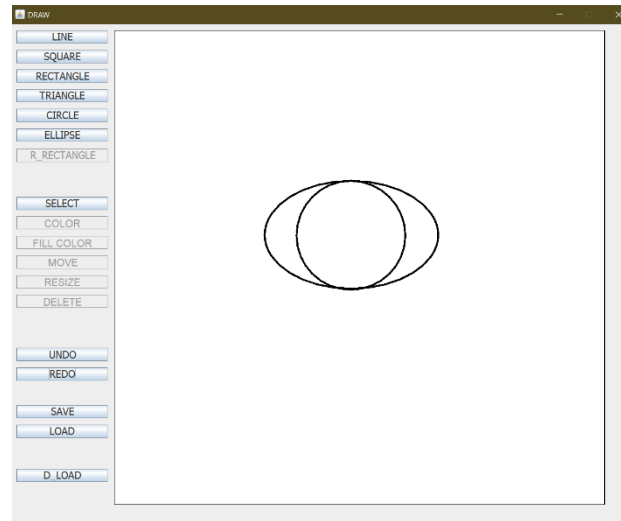
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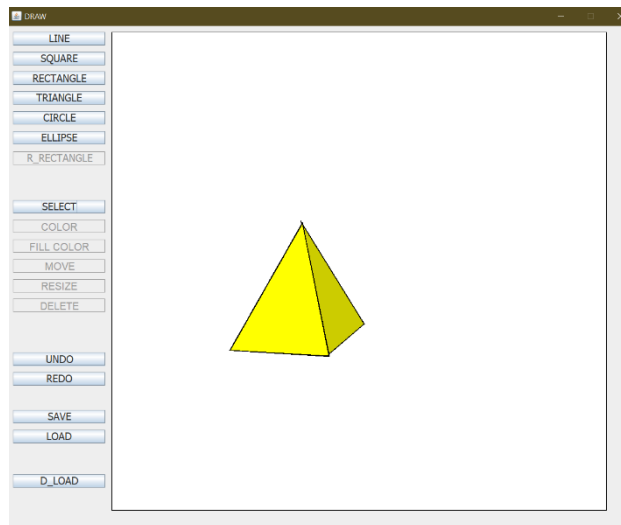
- UML diagram:

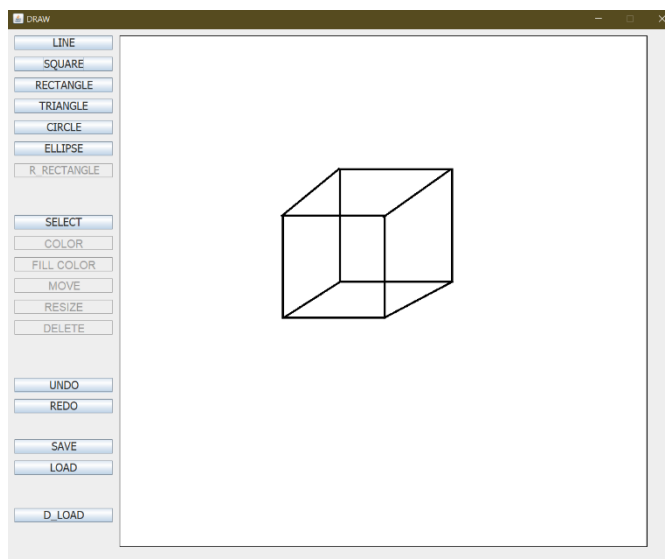- Snapshots of your GUI :

1- The startup screen

2- Drawn ellipse and circle

3- 2 drawn triangles

4- 2 drawn squares an 4 drawn lines

- User Guide :
  1- Drawing :
    - Line : you press LINE button, then you click 2 clicks on the white panel (the 2 ending points of the line)
    - Square : you press SQUARE button, then you click 2 clicks on the white panel (the first is the top left corner of the square, and in the second you choose the length of the square which is the maximum difference between {difference between the x position in the first and the second points} and {difference between the y position in the first and the second points})
    - Rectangle : you press RECTANGLE button, then you click 2 clicks on the white panel (the first is the top left corner, and the second is the bottom right corner)
    - Triangle : you press TRIANGLE button, then you click 3 clicks on the white panel (the 3 points of the triangle)
    - Circle : you press CIRCLE button, then you click 2 clicks on the white panel (the first is the center of the circle, and the second is a point in the circumference of the circle)
    - Ellipse : you press ELLIPSE button, then you click 3 clicks on the white panel (the first is the center of the ellipse, the second is the maximum point in the horizontal axis of the ellipse, and the third is the maximum point in the vertical axis of the ellipse)

  2- Painting :
    First, you should select the shape you want to modify by pressing SELECT button and then click on the shape you want to select
    - Color (changing the border color of the shape) : press COLOR button, press ok, and then choose the color you want
    - FillColor (changing the color of the shape) : press Fill COLOR button, press ok, and then choose the color you want

- Move (moving the shape in the panel) : press MOVE, press ok and then click 2 clicks on the panel. The shape will be moved between these two points.
- Resize (changing the size of the shape) : press RESIZE button, press ok, and then click on the white panel. The shape will expand or shrink to this point
- Delete (removing a shape from the panel) : press DELETE and then press ok