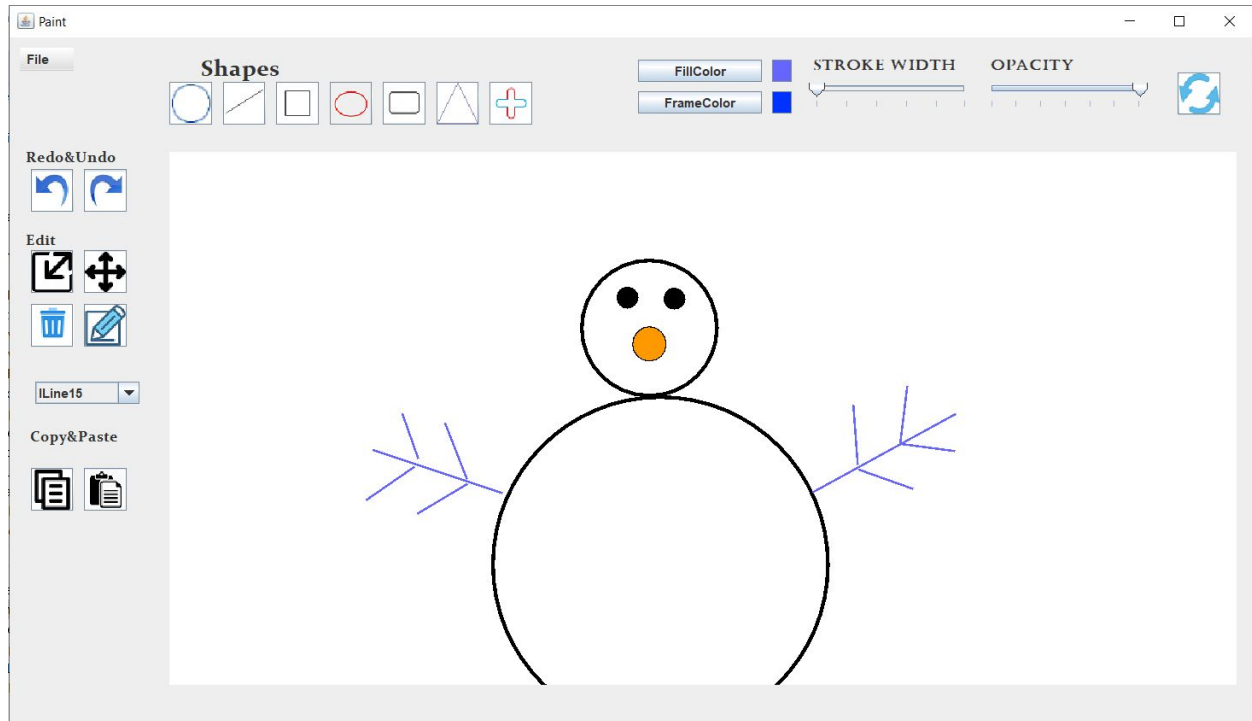


Vector Based Drawing Application

Assignment report

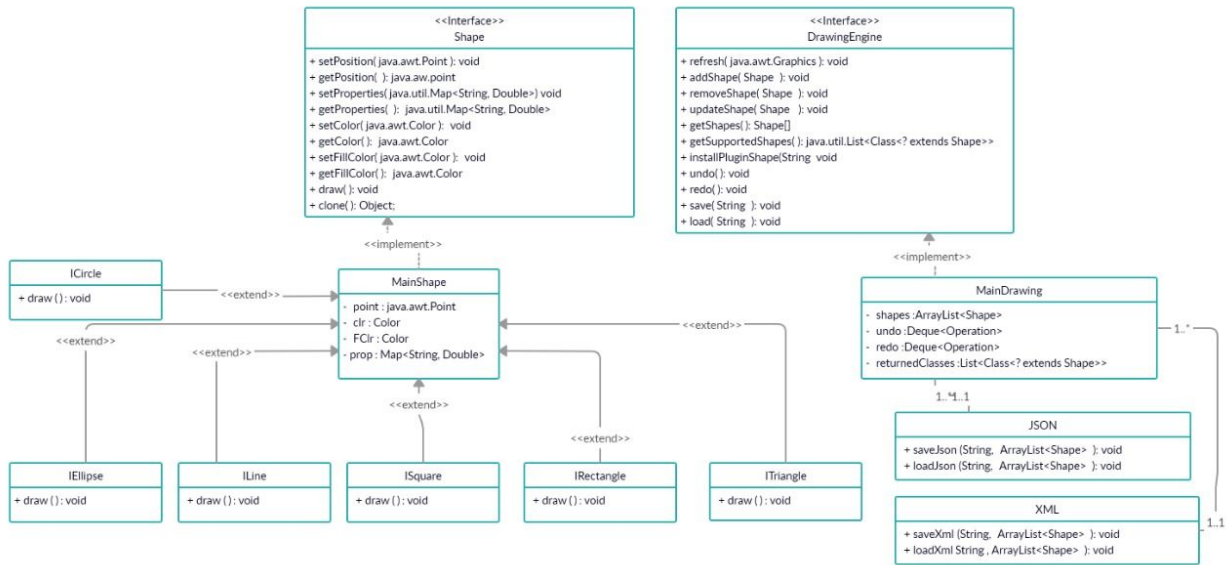


- Khadija assem (27)
- Norhan magdi (69)

Content

- ❑ UML diagram.
- ❑ Design description.
- ❑ Snapshots of GUI.
- ❑ User guide that explains how to use your application.

UML diagram:



Design description:

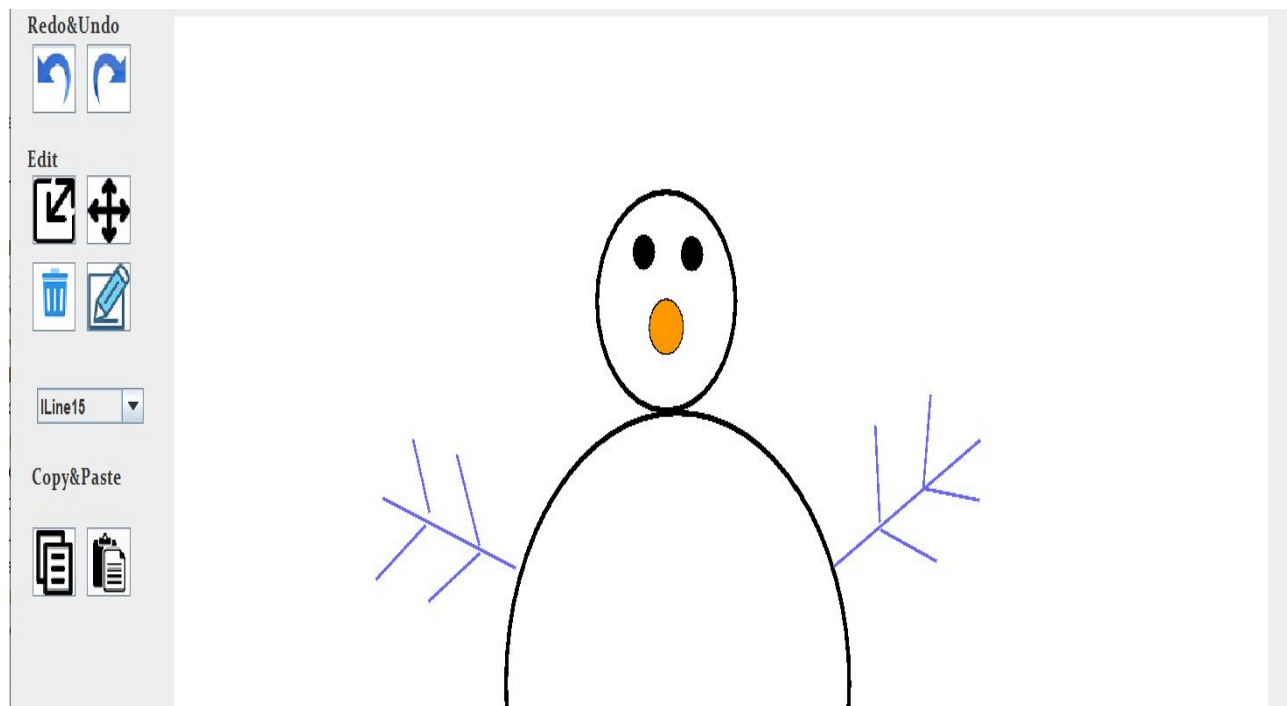
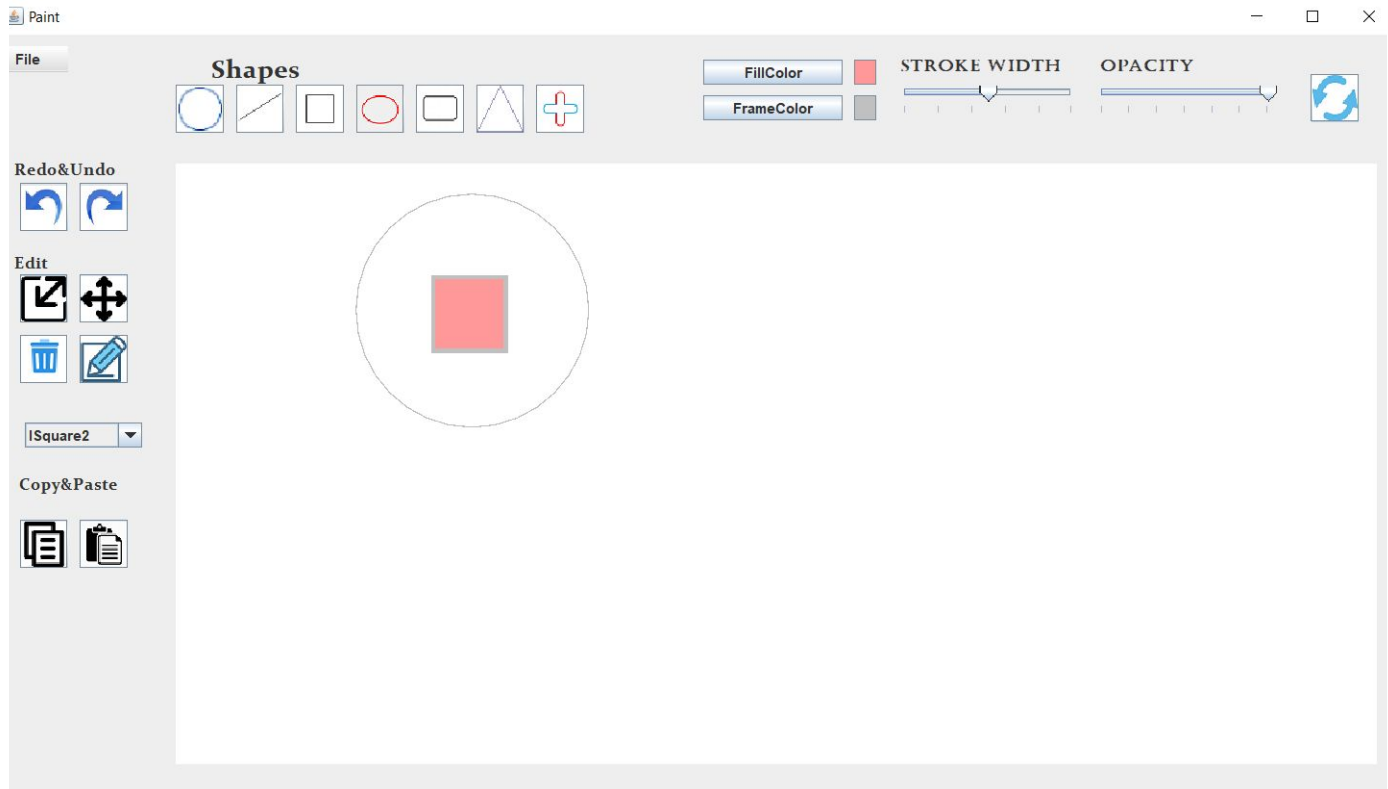
2 interfaces are implemented

- **Shapes:** it contains functions to set and get position, frame color, fill color and properties of current shape.
- **DrawingEngine:** it contains functions to add , remove , update and draw shape and allows user to redo ,undo , save and load actions.

GUI is divided into two parts

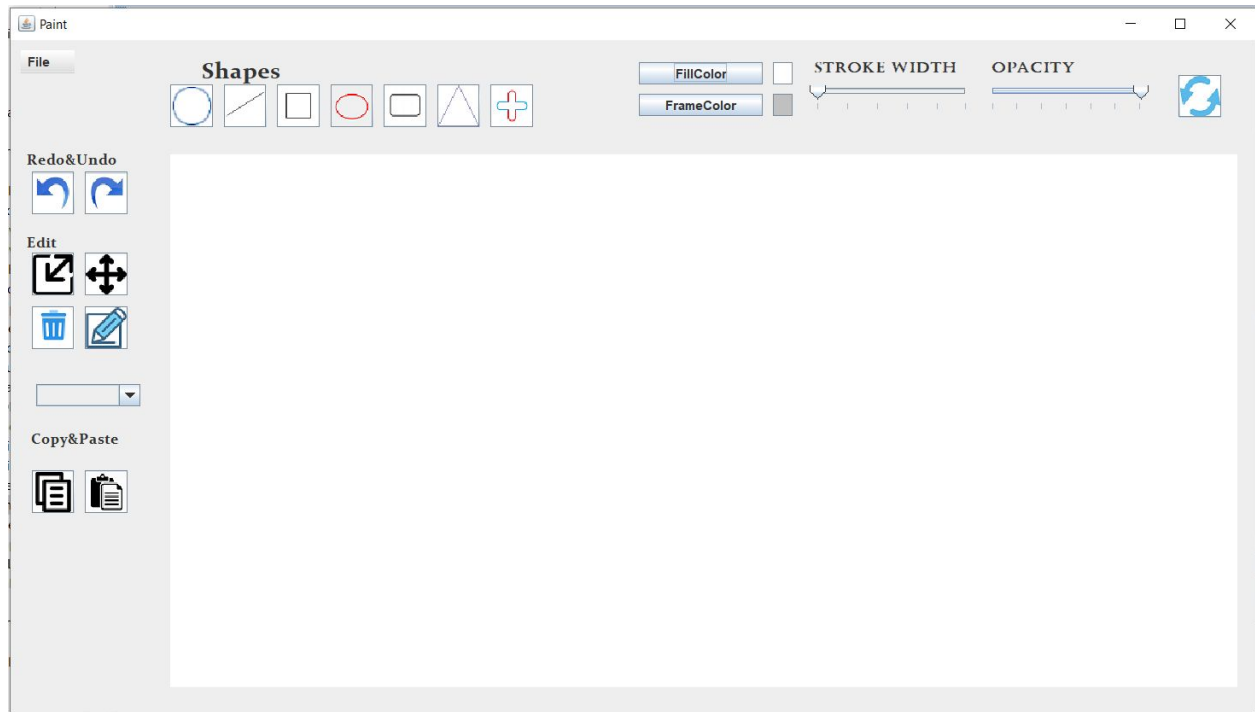
- **Paint:** it extends DrawingArea and implements GUI action listener.
- **DrawingArea:** it extends JPanel and allow the area to draw in.

Snapshots of GUI:



User guide:

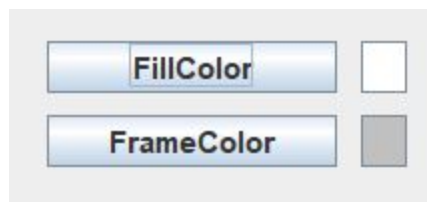
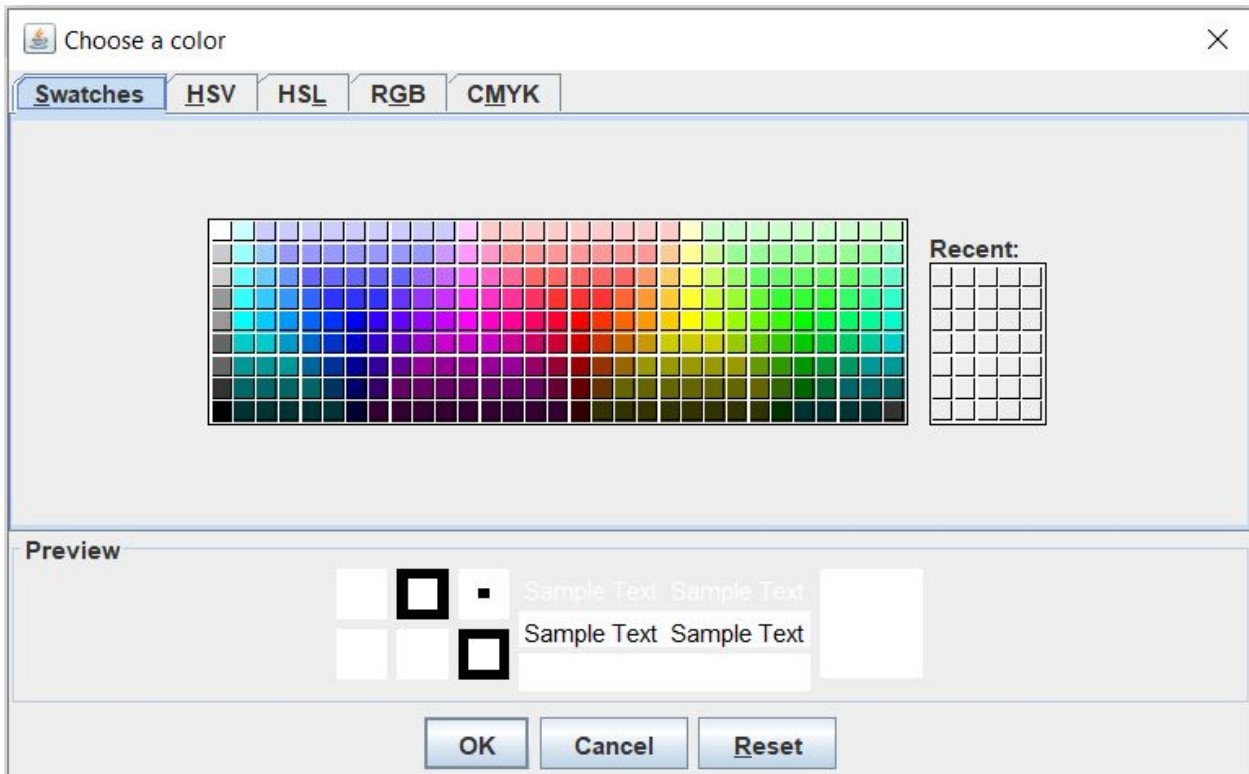
- *First look when you open the programme*



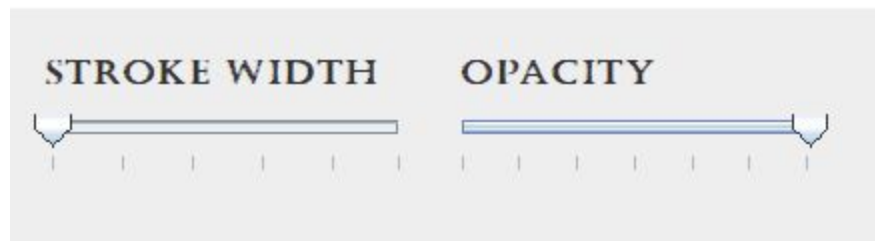
- *Choose a shape to draw (it's available to load your own class)*



- *Choose frame color and fill color*



- *Change frame width and opacity*



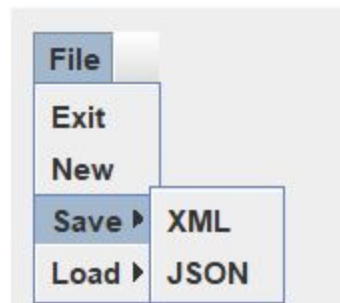
- *Edit shapes (delete, move, resize, edit)*



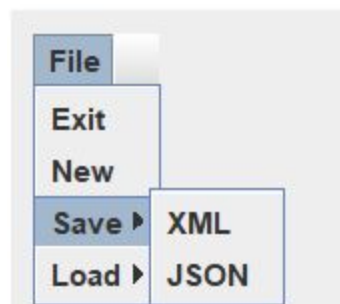
- *Redo & undo*

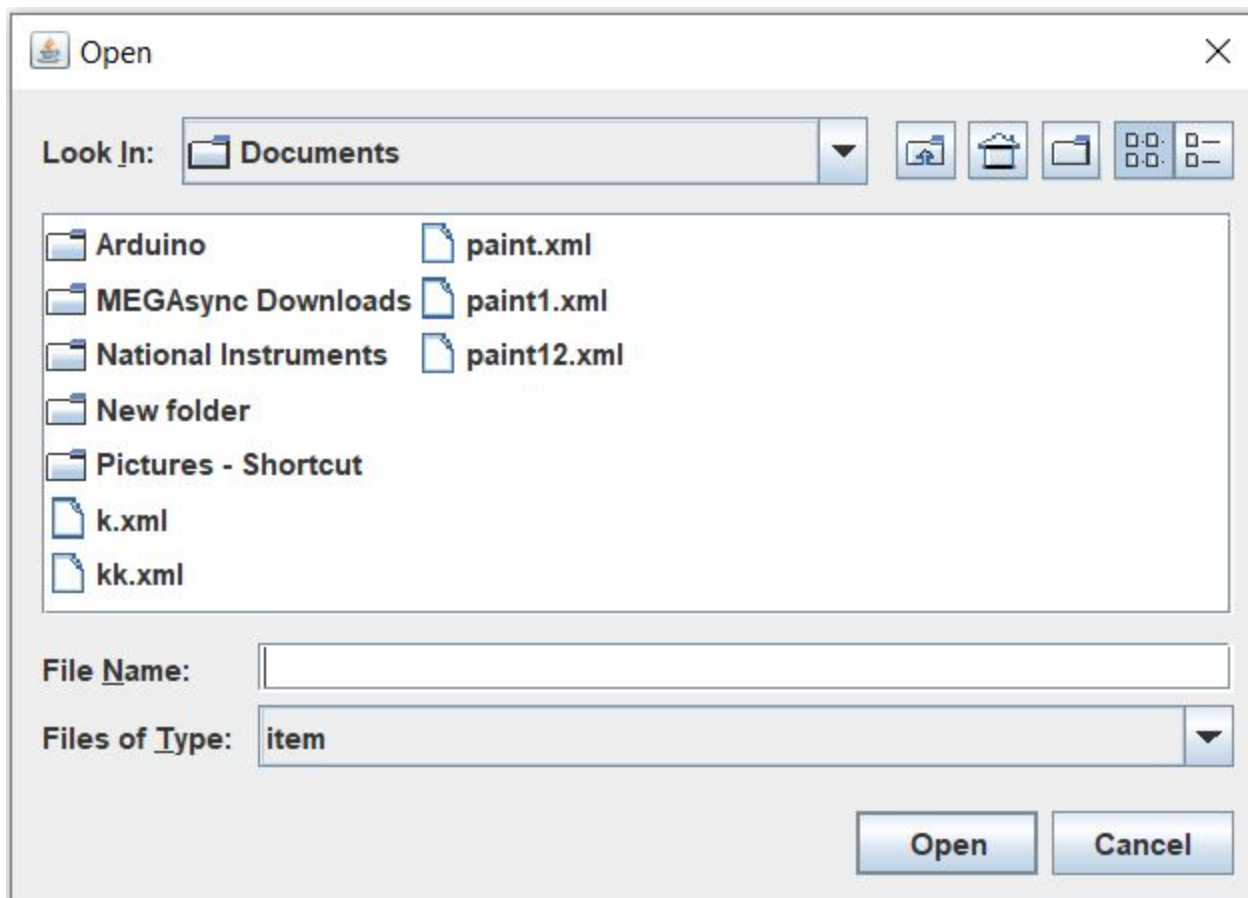


- *Exit and create new file*



- *Save and load*

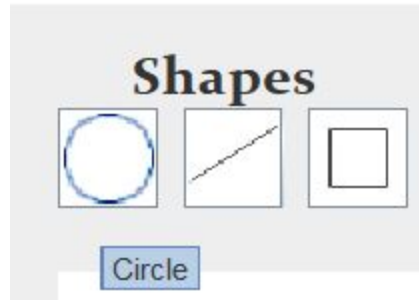




- ***Copy & paste***



-
- *On hovering over the button its name/ function appears*



- *Refresh drawing area*

