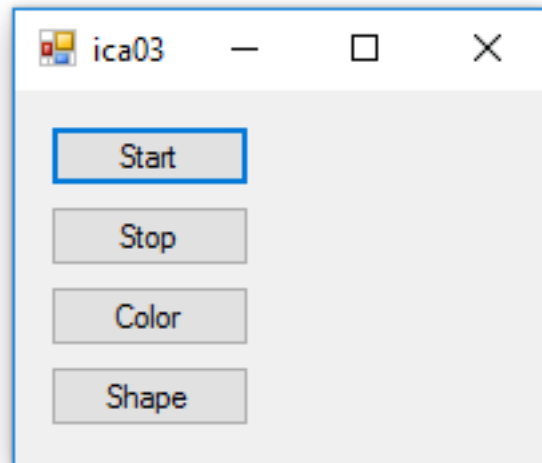


CMPE1600 – ICA03

In this assignment you will create a drawing app using the GDIDrawer. Your app will use a custom modal dialog to select the shape, and the built in ColorDialog to select the color. A timer will be used to poll the mouse in the GDIDrawer; when the left mouse button is clicked a shape will be drawn.



The **Start** button will enable a timer which will check for the left mouse button being clicked in the GDIDrawer window. When the left mouse button is clicked the selected shape will drawn (centered) in the current drawing color.

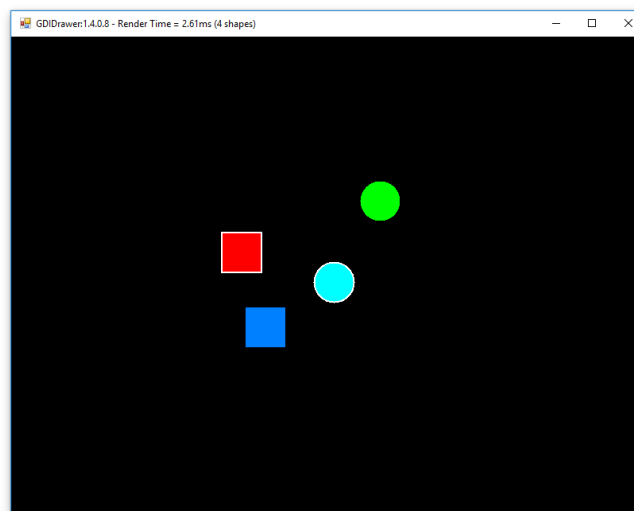
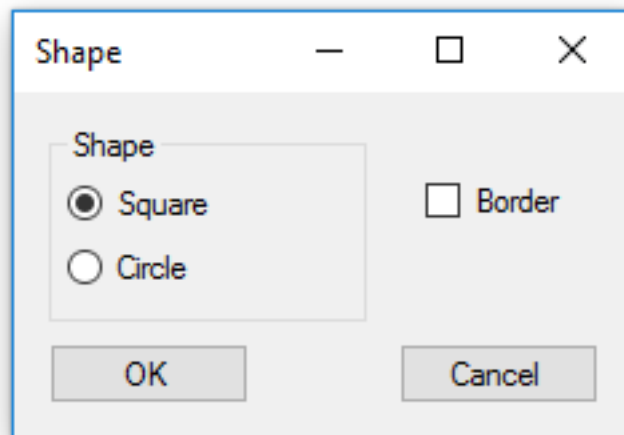
The **Stop** button will disable the timer, causing the mouse to be ignored in the GDIDrawer window.

The **Color** button will display the standard ColorDialog from which the user may select the desired drawing color. If the OK button is pressed, a new drawing color will be used. The Cancel button will ignore any color selection.

The **Shape** button will display a custom modal dialog which will be used to select the drawing shape. An integer will be used to select either a circle or a square shape. The border will be selected by use of a Boolean. When the dialog appears, the currently selected shape will be checked in the radio buttons, and the border checkbox will indicate if drawing with a border is currently selected.

Properties will be used to set, or get, the shape or border values to/from the dialog.

When the OK button is pressed in the shape dialog, the currently selected settings will be used for drawing. If the Cancel button is pressed, any changes to the drawing settings will be ignored.



Grading

Requirement	Grade
Mouse can draw in the drawing window.	20
Color dialog can select the current drawing color with selectable border.	20
Start/stop buttons control the mouse drawing.	10
Integer used to select the drawing shape.	10
Properties are used in the shape dialog.	10
Shape dialog cannot be resized.	10
Controls are properly named.	10
Tab-order and border is correct. (cannot resize the app)	10