



15-112
Lecture 2

Week 5 Thu
2-D Lists &
Anim1: Events/MVC

Instructor: Pat Virtue

Announcements

Pre-reading/checkpoint

None for next week

Quiz 4

Week 5 material

- Tue 10/4, in lecture

HW5

A few tips today

Poll 3

Please fill out the TA feedback survey:

<https://tinyurl.com/15112-feedback>

D. Just answer D in the poll when done for at least one TA (don't select any other option)

2D Lists

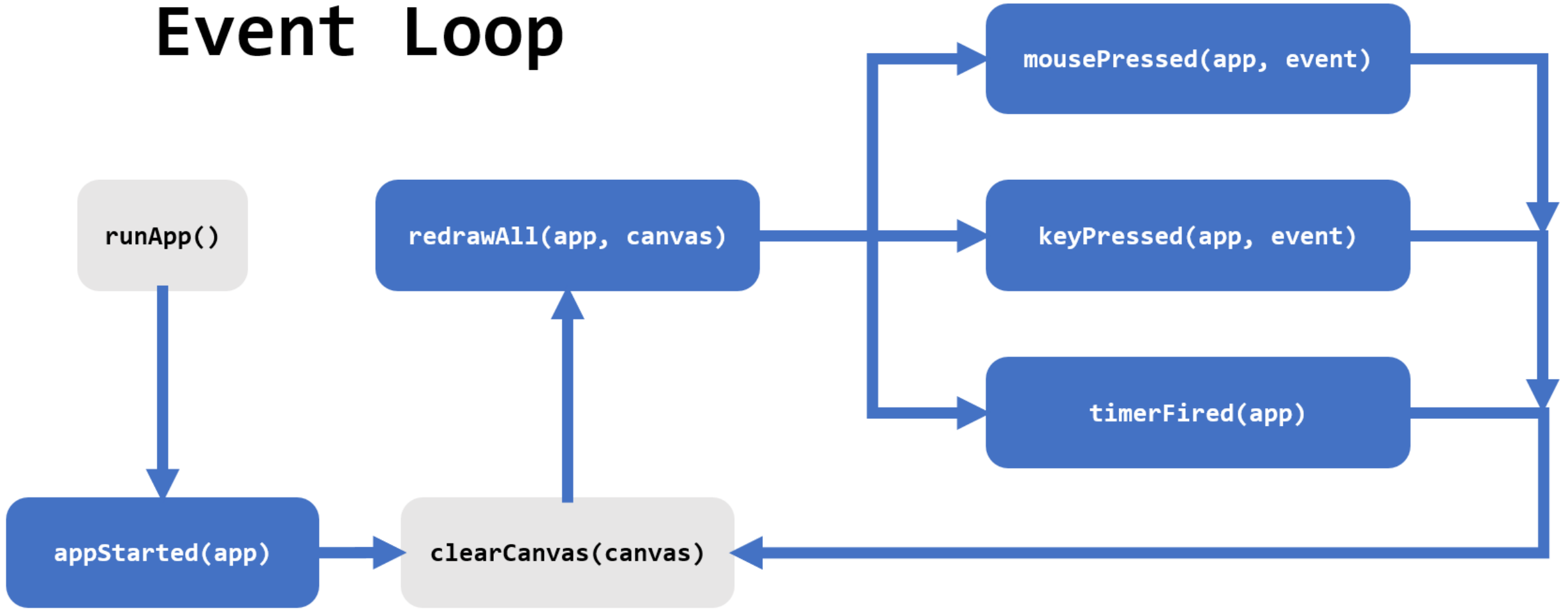
HW5

Animations 1:

Events and Model-View Controller

MVC

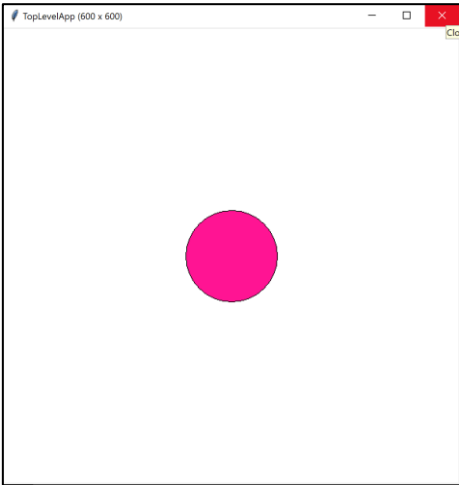
Event Loop



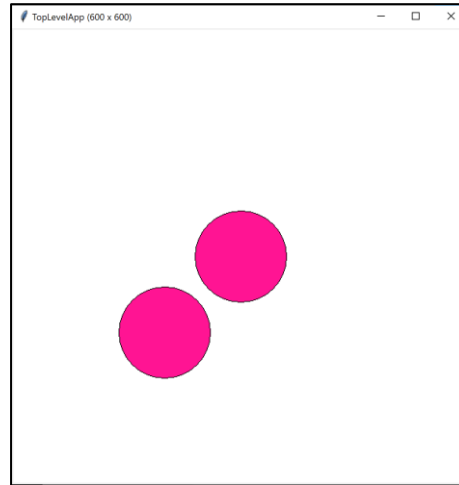
Poll 4

After clicking on coordinate
 $x = 200, y = 400$,
which is the correct display?

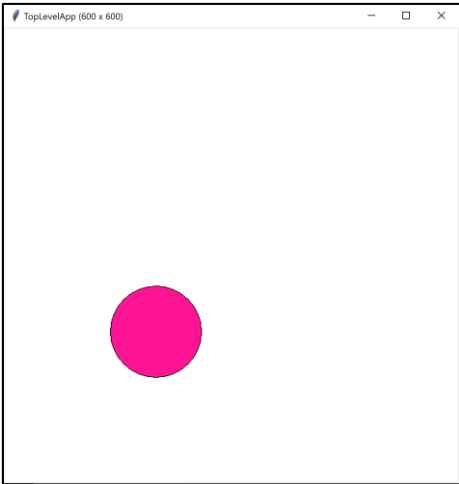
A



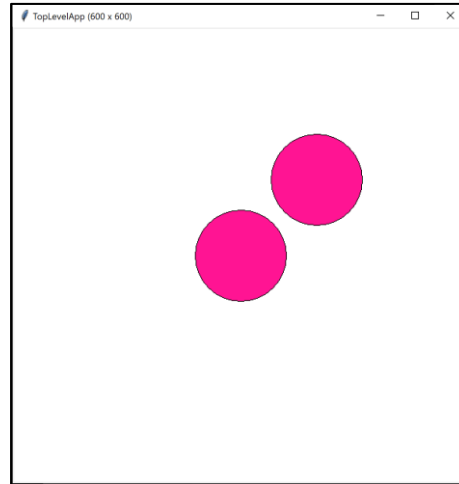
B



C



D



```
def appStarted(app):  
    pass  
  
def mousePressed(app, event):  
    cx = event.x  
    cy = event.y  
    print(cx, cy)  
  
def redrawAll(app, canvas):  
    cx = app.width//2  
    cy = app.height//2  
    r = 30  
    color = 'DeepPink1'  
    canvas.create_oval(  
        cx-r, cy-r, cx+r, cy+r,  
        fill=color)  
  
runApp(width=600, height=600)
```

MVC

Event Loop

