



# Drawing Panel

File View Help

1

Row composition:

- Defined by location and size
- Size defined by width and height

2

3

Grid composition:

- Rows are in pairs
- Each row is separated by a little bit
- Alternating rows are offset
- Let's define size by # pairs and row size

(394, 215)

1

Row

x	10
y	10
width	100
height	20

2

Row

x	30
y	100
width	200
height	40

3

Grid

x	10
y	200
# pairs	4
offset	10
row width	150
row height	10
gap	2



## Drawing Panel

File View H

1

### Plan:

- Number methods needed? 3
  1. main
  2. drawRow(x, y, width, height)
  3. drawGrid(x, y, numPairs, offset, rowWidth, rowHeight)
- main:
  - set up drawingPanel and Graphics objects, background gray (400x300)
  - drawRow(10, 10, 100, 20)
  - drawRow(30, 100, 200, 40)
  - drawGrid(10, 200, 4, 10, 150, 10)
- drawGrid:
  - for each pair
    - drawRow(x, y, width, height)
    - y += rowHeight + MORTAR
    - drawRow(x+offset, y, width, height)
    - y += rowHeight + MORTAR
- drawRow:
  - Set color to red
  - fillRect(x, y, width, height)

2

3

(394, 215)

Expected output is in  
PlayRowGridOutput1.png

1

### Row

x	10
y	10
width	100
height	20

2

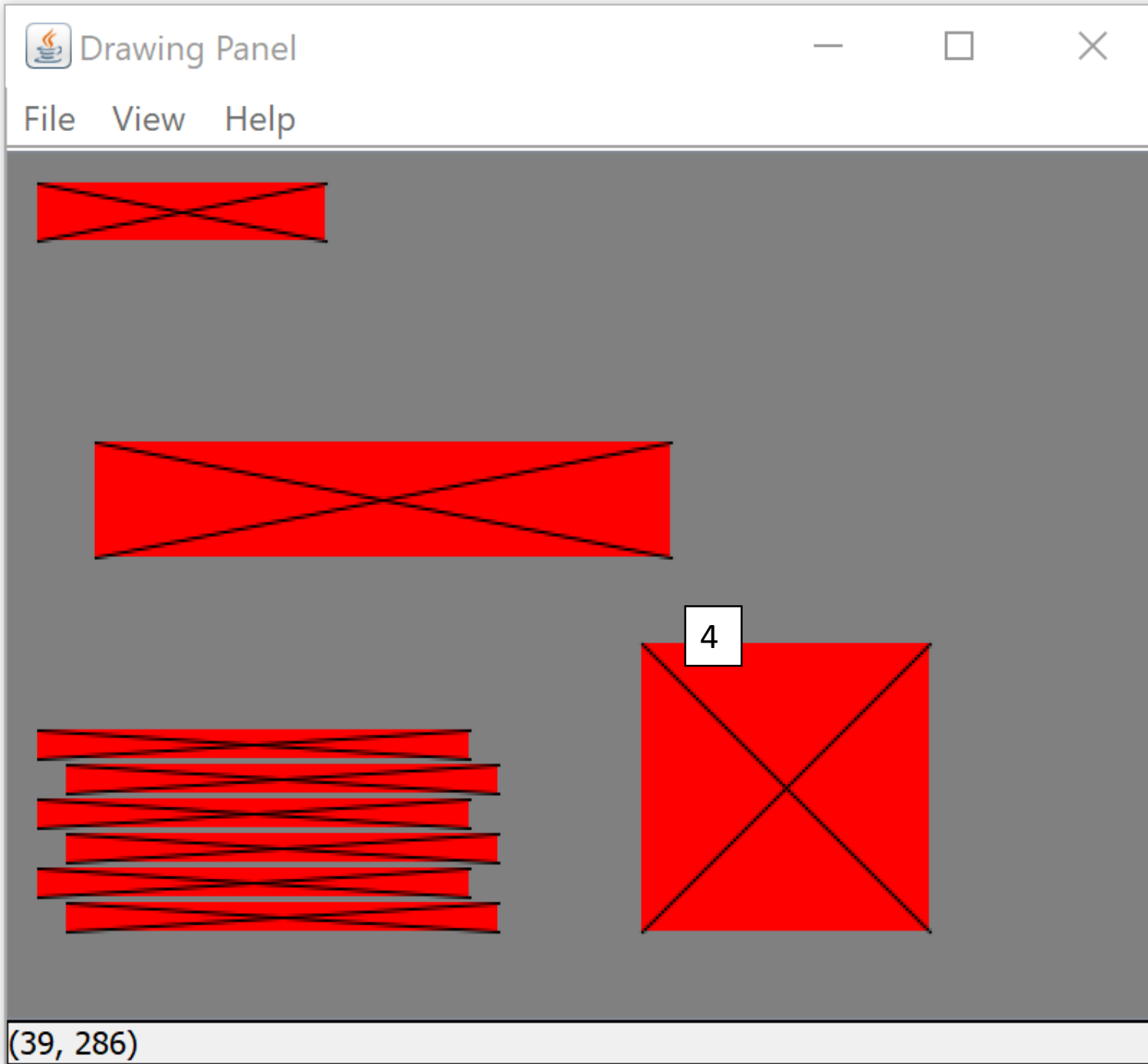
### Row

x	30
y	100
width	200
height	40

3

### Grid

x	10
y	200
# pairs	4
offset	10
row width	150
row height	10
gap	2



For the second step:

- add a 4<sup>th</sup> figure, info below
- draw a black X on each row from top left corner to bottom right
- Expected output is PlayRowGridOutput2.png

4	Row	
X	220	
y	170	
width	100	
height	100	