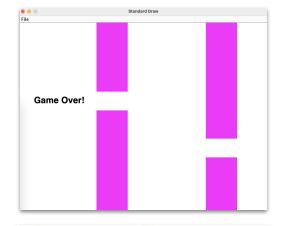


COMP 160 Object-oriented Programming

Simple Flappy Bird

- Draw Initial Scene: Use StdDraw methods to draw bird as a circle and obstacles as rectangles on the canvas
- Implement Bird Movement: Use user input ("space") to control the bird's movement. Update the bird's position.
- Handle Collision Detection: Check for collisions between the bird and obstacles. End the game if a collision is detected.



```
double fallingConstant = 25;
int vertSpeed = 0;
int jumpSpeed = 30;
int ballSize = 10;
double x = 10, y = 200;
double vx = 10:
double dt = 0.1;
int canvas_height = 600, canvas_width = 800;
StdDraw.setCanvasSize(canvas_width, canvas_height);
StdDraw.setXscale(0, canvas_width);
StdDraw.setYscale(0, canvas_height);
StdDraw.enableDoubleBuffering();
double[][] rectangles = {
        {300, 160, 50, 160},
       {300, 490, 50, 110},
       {650, 415, 50, 185},
        {650, 85, 50, 85}
```