Project: Shall We Play A Game?

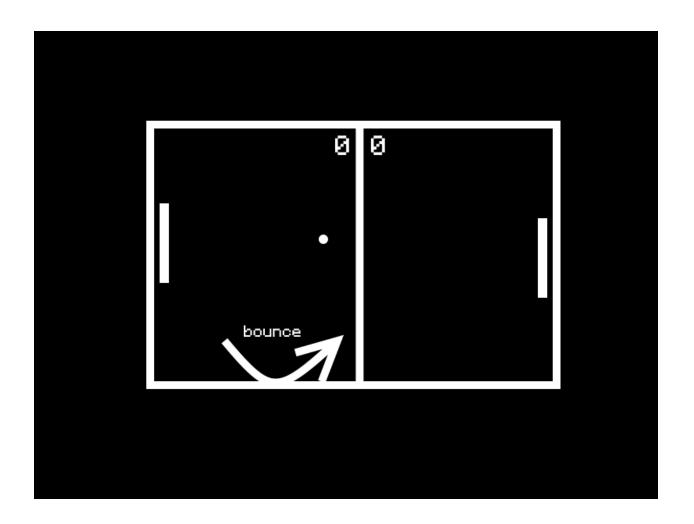
Computer Science Principles 2022-2023

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Phase 1: Brainstorming

I have quite a bit of ideas for this project. A more favorable idea right now would be an idle simulator game which you may leave running while you are away from your computer. I've decided that I will be making a Pong game.

Prototype Drawing



Progress Plan

Day 1:

- Draw boundaries
- Draw necessary turtles

Progress

Day 1 (November 25th): I made the border. I had to take a bit to consider my design, so I changed the colors on the walls so that they ounce, and the backs are a different shade of white so I can use that to detect score.

Day 2 (November 28th): I get stuck on an issue where the paddles did not move. This was eventually fixed (after a couple of days) by listening for keypresses before the main game function.

Day 4 (November 30th): I got the ball in and it moves at different angles.

Day 5 (December 1st): Paddles now bounce at random angles. The game is finished.

Code Screenshots

```
ACTIVITY 125 > 💠 125a.py > 😭 play_ball
          global pipaddle, p2paddle
152
153
          p1paddle.forward(10)
154
155
      def leftdown():
          global pipaddle, p2paddle
156
          pipaddle.backward(10)
157
158
159
      def rightup():
160
          global pipaddle, p2paddle
161
          p2paddle.forward(10)
162
163
      def rightdown():
          global pipaddle, p2paddle
164
          p2paddle.backward(10)
165
166
      un.onkeypress(leftup, "u")
167
      wn.onkeypress(leftdown, "s")
168
                                            user input
      wn.onkeypress(rightup, "Up")
169
      wn.onkeypress(rightdown, "Down")
170
171
     un.listen()
172
      ptay_batt()
173
174
     un.mainloop()
```