# Assignment 5 Process

#### Required elements to include:

- You must outline and deconstruct the design of the game you wish to implement. This can be a deconstruction of an existing game, a modified version of an existing game, or a wholly new game.
  - Make sure to keep your game confined to a single screen! This assignment timeline is short; reduce unnecessary complexity.
  - If you are making a wholly new game or a modified version of an existing game, spend time ideating and defining how your new or modified game works. This is both important for deconstructing the game and as a tool to communicate to your professor what your game is meant to be.
  - Begin thinking about your game in terms of pixels on a grid; pixel grid sketching paper is provided to help with this step. Next, consider what objects are part of your game. Are there multiple enemies, coins, balls, blocks, etc. on screen at once? Anything sufficiently complex, especially if duplicates exist, should be encapsulated in a class.
- You must plan your 2D game using drawings/sketches.
  - Begin thinking about your game in terms of shapes on a screen.
    - Many engines use units rather than pixels. You should not use pixel coordinates for this assignment.
  - Next, consider what objects are part of your game. Are there multiple enemies, coins, balls, blocks, etc. on screen at once?
    - Anything object's behaviour, especially if repeated, should be it's own script.

I'm considering making a simple platformer with free assets and 1-2 mechanics being move and jump.

#### **Outline and Deconstruction**

 I plan to create a simple 2D platformer with 2 mechanics. (move/jump)

# Day 1 (April 10,2024)

On day 1 I managed to lay some groundwork down. I found some free 2d platformer assets via the Unity Asset Store, imported them into my project.

### **Day 1 Progress**

- Created the player, added sprites, boxcollider, rigidbody 2d and a PlayerMovement script that tracks input on every frame with the 'update' function.
- Created the ground and added boxcollider
- Figured out how to implement Left-Right Player Movement

# Day 2 (April 11,2024)

Today I'm trying to implement a few things. Those being jumping, flipping the player sprite when they turn left or right, fixing the collider boundaries on the player, and maybe animation if I can get to it.





