A4 - Process Work (totally not mario)

https://www.mariouniverse.com/sprites-nes-smb/

Asprite sheet for all Mario stuff

level design

```
different functions i will need
```

player camera (?)

ground

Sky and background

block (breakable)

pipe (?)

item blocks (size up(?))

draw function

what i need to figure out

how to get screen to move with player

how to make breakable blocks

```
static Texture2D Load2D(string groundLevelName)
{
//loads ground texture to draw
   Image groundLevel = Raylib.LoadImage("../../../resources/{groundLevelName}");
   Texture2D groundTexture = Raylib.LoadTextureFromImage(groundLevel);
   return groundTexture;
}
```

```
//detect player collision
        //public void DetectCollision()
        //{
        //
              GetMarioLocation();
        //
              float marioBottomEdge = marioPos.Y + marioSize.Y;
        //
             float groundTop = groundPosY.Y;
        //
              if (marioBottomEdge < groundTop)</pre>
        //
             {
        //
             }
        //}
        //public void GetMarioLocation()
        //{
              //mario location
        //
              float marioLeftEdge = marioPos.X;
        //
              float marioRightEdge = marioPos.X + marioSize.X;
        //
              float marioTopEdge = marioPos.Y;
              float marioBottomEdge = marioPos.Y + marioSize.Y;
        //
              //ground location
        //
              float groundLeft = groundPosY.X;
        //
              float groundRight = groundPosY.X = groundSize.X;
        //
              float groundTop = groundPosY.Y;
        //
              float groundBottom = groundPosY.Y = groundSize.Y;
        //
              bool overlapLeft = marioLeftEdge < groundRight;</pre>
              bool overlapRight = marioRightEdge < groundLeft;</pre>
        //
              bool overlapTop = marioTopEdge < groundTop;</pre>
        //
              bool overlapBottom = marioBottomEdge < groundBottom;</pre>
              bool doesOverlap = overlapLeft || overlapRight || overlapTop || overlapBotto
m;
```

//}

 Λ already done in character branch



