



Rogue Sweeper

From the Pythonic Pioneers

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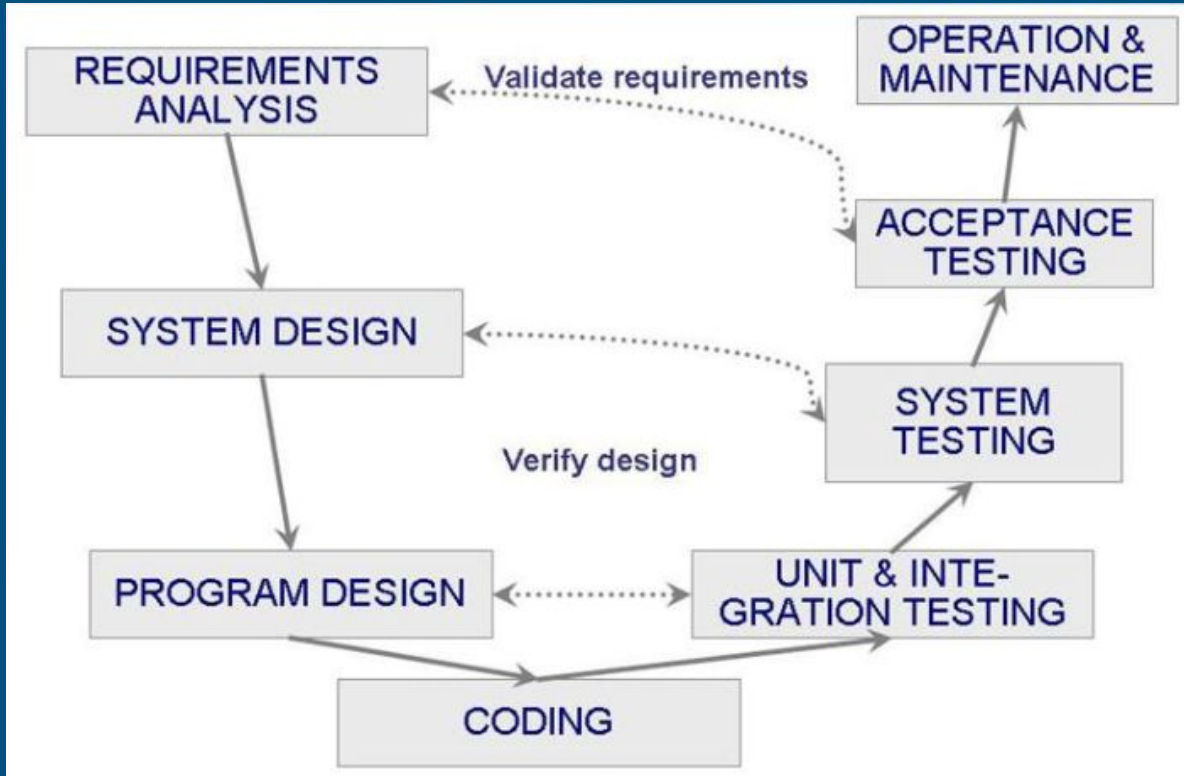


Rogue-Sweeper Overview

We are taking the classic minesweeper game and turning it into a roguelike.



Our Process Model: V-Model

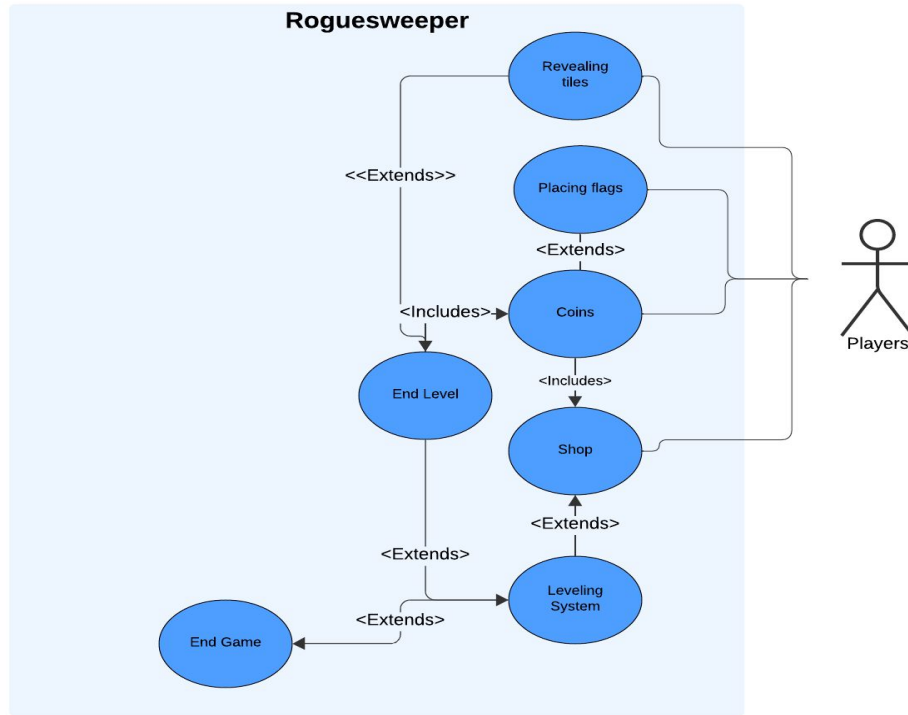


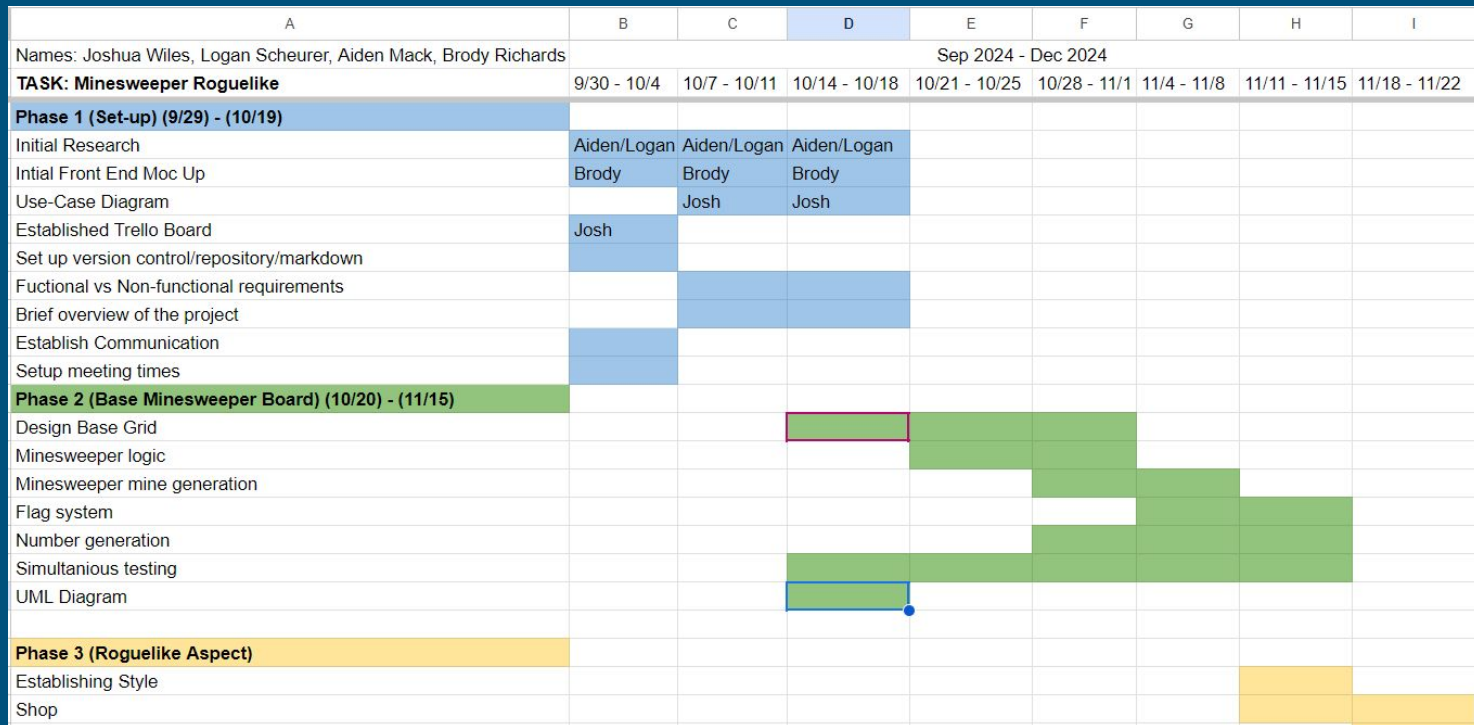
Technologies

For our project, we will be using python and pygame to create the board and implement the logic.



Use Case Diagram





What we have so far

```
class GUI:

    def __init__(self) -> None:
        self.printed = 0
        pg.init()
        self.screen = pg.display.set_mode((1280, 480), pg.SCALED)
        pg.display.set_caption("RogueSweeper")

        # Create The Background
        self.background = pg.Surface(self.screen.get_size())
        self.background = self.background.convert()
        self.background.fill((170, 155, 187))

    @classmethod
    def load_images(cls):
        def load_image(count):
            SS = pg.image.load('./images/MS_Sprites.png')
            width = 17
            height = 16
            surf = pg.Surface((width, height), pg.SRCALPHA)
            surf.blit(SS, (0, 0), pg.rect.Rect(width * (count % 8), height * (count // 8), width, height))
            surf_scaled = pg.transform.scale(surf, (IMAGE_SIZE, IMAGE_SIZE)) # Change to image size
            return surf_scaled
```