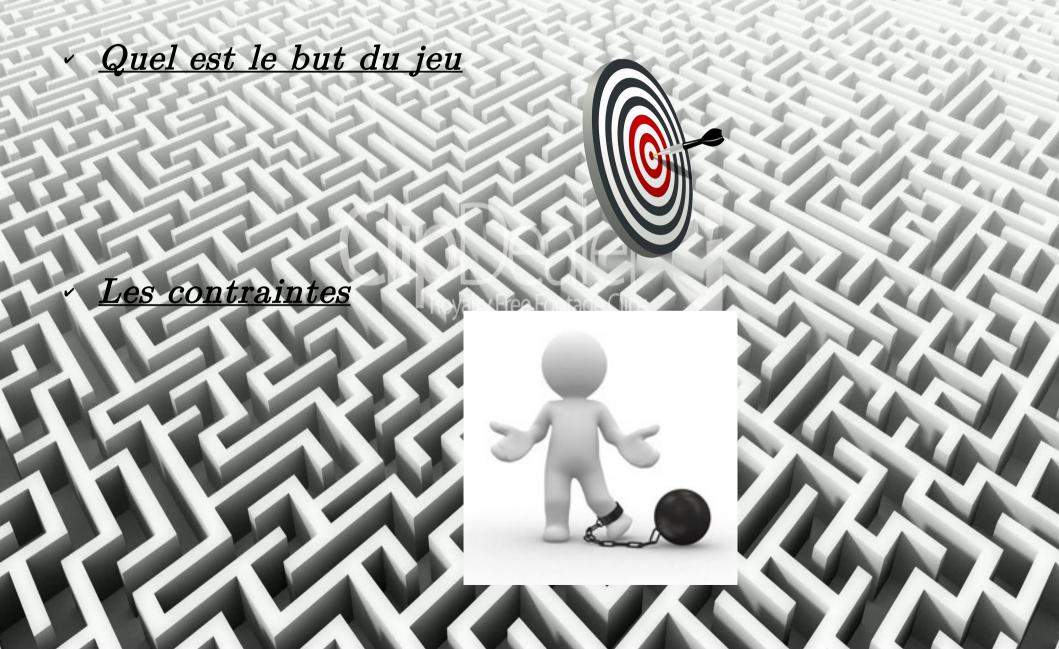
Parcours: Développeur D'application Python

Projet 3: Aidez MacGyver à s'échapper

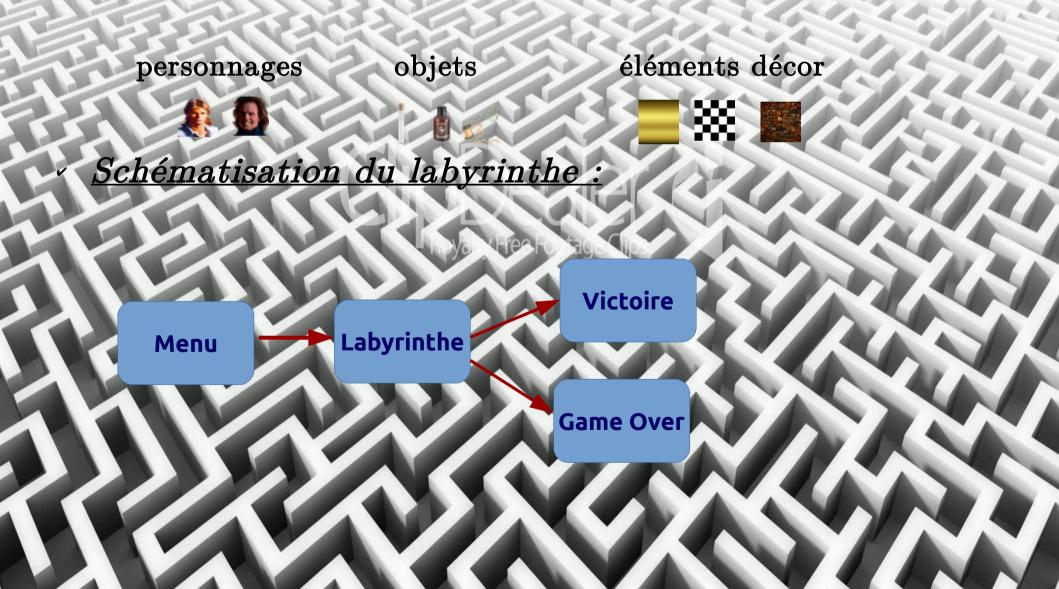


I-Présentation du jeu et de ses contraintes

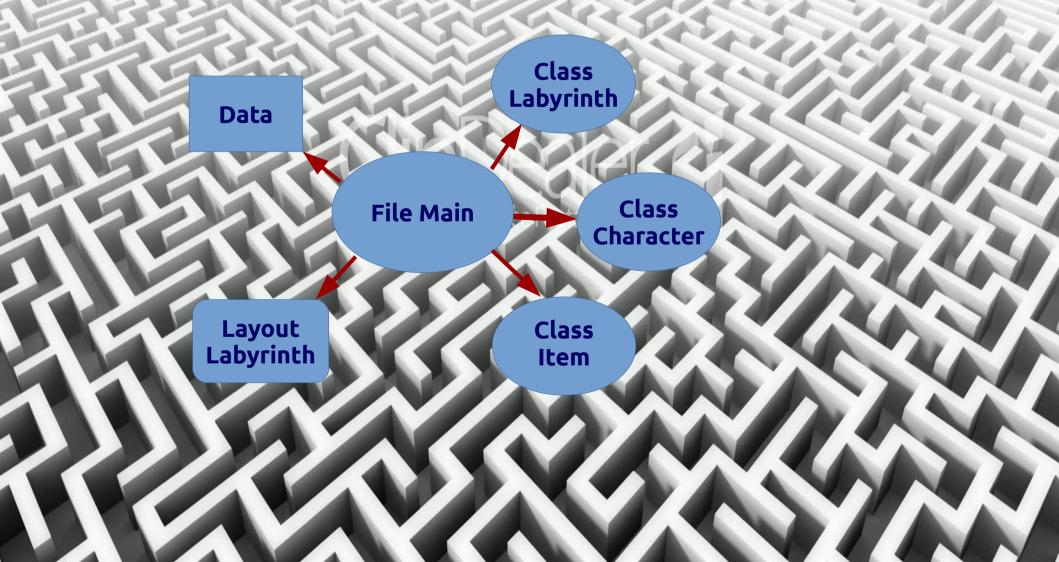


II-Conception du projet

· les images et le son :



Gestion du programme:



III-Réalisation du projet

· Plan du Labyrinthe et Chargement du labyrinthe :







· Déplacement du personnage :







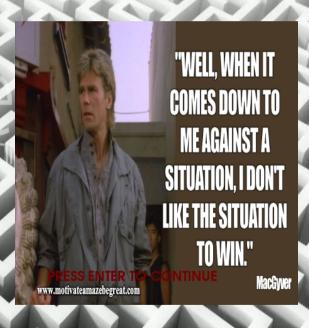
```
def move(self, direction):
if direction == 'right':
     if self.case x < (c.NUMBER SPITE COT - 1):</pre>
         if self.labyrinth.structure[self.case y][self.case x+1] not in {'m', 'g'}:
             self.case x += 1
             self.x = self.case x * c.SIZE SPRITE
     self.direction = self.right
     if self.labyrinth.structure[self.case y][self.case x] in 'o1':
         self.labyrinth.structure[self.case y][self.case x] = 'i1'
         self.found += 1
    elif self.labyrinth.structure[self.case y][self.case x] in 'o2':
         self.labyrinth.structure[self.case y][self.case x] = 'i2'
         self.found += 1
    elif self.labyrinth.structure[self.case y][self.case x] in 'o3':
         self.labyrinth.structure[self.case y][self.case x] = 'i3'
         self.found += 1
    elif self.labyrinth.structure[self.case y][self.case x] in 'a' and self.found == 3:
         self.labyrinth.structure[self.case y][self.case x] = 'v'
```

· Position aléatoire des objets :

```
class Item:
def init (self, item, labyrinth):
    # load the Items image
    self.item = pygame.image.load(item).convert alpha()
    self.labyrinth = labyrinth
def position(self, window, representation):
    value max = 1
    count = 0
    # until the maximum Items counter is reach (loop)
    while count < value max:
        self.case x = random.randint(0, 14)
        self.tile y = random.randint(0, 14)
        # if the randomized position is attribucted on a free space
        if self.labyrinth.structure[self.tile y][self.case x] == '0':
            # change the list's sprite with the Item's tag
             self.labyrinth.structure[self.tile y][self.case x] = representation
             count += 1
        elif self.labyrinth.structure[self.tile y][self.case x] != '0':
             # nothing happen
```

· Condition de Victoire :





IV-Les difficultés rencontrées

