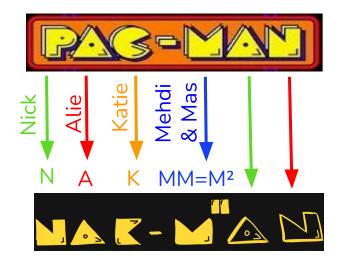


Nick, Alie, Katie, Mehdi, Mas (Team 20)
8/2 Presentation



#### Meet the Team





Mas



Nick



Alie



Katie



Mehdi



Supported by



## **Game Demo**





#### Supported by



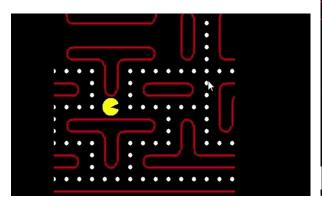
## **TechWise**



## Katie

- Tile based Movement
- Code Clean up
- Bug fixes
  - Lives
  - Respawn
  - Win Screen
  - Multi Level
  - Play Again

for ghost01, ghost02 in combinations(ghosts, 2):
 if ghost01.rect.colliderect(ghost02.rect):
 ghost01.pos = ghost01.last\_pos













#### Mas

#### **Modifications:**

- 1. Adding Dawn as fourth ghost
- 2. Changing the live's icon
- 3. Player movements:
  - 3.1. Keep moving
  - 3.2. Player and the tiles
- 4. Freight mode
- 5. Some other flaws (winning the Game, high score, etc)

```
🚜 main.py × 🛮 📸 power_up.py ×
      POWER UP = False
              if level[center_y // num1][center_x // num2] == 2:
      def power_up():
          score, powerup, power_counter, eaten_ghost = check_collisions(score, powerup, power_counter, eaten_ghost)
          if powerup and power_counter < 10 * FRAME_RATE:
```







#### Mehdi

- Frightened mode
  - Pacman can kill the ghosts
  - They come back after 5 seconds
- Made ghosts move more intelligently.
  - Add an array of previous moves

```
for dot in self.dots:
    if self.player.rect.colliderect(dot.rect):
       self.dots.remove(dot)
       self.sounds.play_pacman_eating() # Play eating sound
        self.player.score += 1 # Increase the score when a dot is eaten
       if self.player.score > high score:
            high score = self.player.score
        if self.player.score >= 20:
            self.player.lives += 1
           self.player.score = 0
           self.sounds.play extra life()
for ghost in self.ghosts:
    if ghost.dead timer>0:
        ghost.dead timer-=1
   if self.player.rect.colliderect(ghost.rect):
       if frightened mode==False:
           self.lose life()
           play pacman dies() # self.sounds.play pacman dies() # Play pacman dies sound
            ghost.die()
if self.start level:
   self.create_map_objects()
   self.start level = False
for ghost in self.ghosts:
   if ghost.dead timer==0:
       ghost.draw(self.screen)
self.player.draw(self.screen)
for dot in self.dots:
    dot.draw(self.screen)
```







## **Questions?**



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