



# **Project Name: Escape The Unknown House**

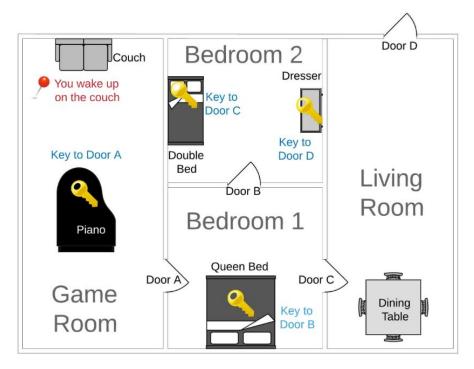
Jorge Lora Rajashree Vasiliki

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### **INDEX**

/Project Overview
/Technical Challenges
/Big Mistake
/Demo Slide
/Closing Slide

#### **ESCAPE ROOM**



### **Project Overview**

#### 1. How is the game's structure organized?

The game's structure is organized around a series of interconnected rooms within the unknown house.

- Each room presents unique challenges and puzzles: the player must solve to progress through the game.
- The player starts in the game room Bedroom 1 Bedroom 2 go back to bedroom 1 the Living Room reaching the Outside to win the game.

#### 2. Which functions do you have and how are they imported?

built-in/start the game/exploring/examining/finding the key/entering from one room to another/opening the door

## **Project Overview**

#### Which features did you add to the game?

Data Structure:
 Dictionaries

Flow Control:
 Conditional
 While Loop

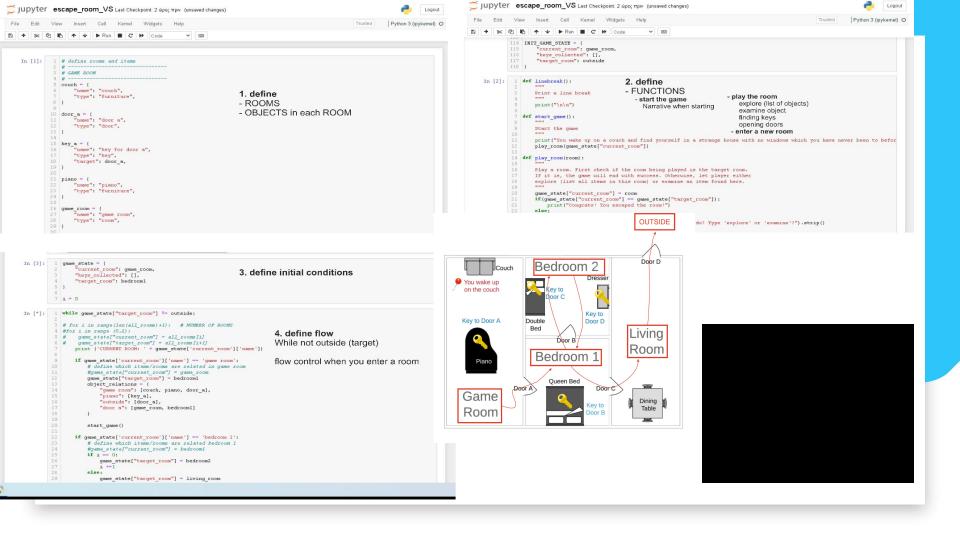
```
3. Functions: Built-in/def
```

```
4. Object Relations
```

```
# GAME ROOM
couch = {
      "name": "couch",
      "type": "furniture",
      Jean L_Sume(/
   if game state['current room']['name'] == 'bedroom 1':
      # define which items/rooms are related bedroom 1
       #game_state["current_room"] = bedroom1
       if i == 0:
          game_state["target_room"] = bedroom2
          i +=1
       else:
          game_state["target_room"] = living room
      def explore room(room):
```

```
OUTSIDE
                                              Door D
                  Bedroom 2
        Couch
You wake up
 on the couch
                      Door C
                               Key to
 Key to Door A
                Double
                                Door D
                 Bed
                                          Living
                        Door B
                                          Room
                   Bedroom 1
    Piano
                      Queen Bed
                                  Door C
 Game
                                             Dining
                                Key to
                                              Table
 Room
                                Door B
```

```
object_relations = {
    "game room": [couch, piano, door_a],
    "piano": [key_a],
    "outside": [door_a],
    "door a": [game_room, bedroom1]
```



### **Technical Challenges and Mistakes**

- 1. What was the most important technical challenge you faced?
- Technical Bugs: move back to any room
- Simplify the code
- Choose the right tools to tackle the situation
- Understanding the flow/inputs/outputs/multiple variables and functions/bugs/errors

- 2. How did you overcome that challenge?
- Lab practice
- Group Work
- Google Research/ Coding Community/Al Tools
- More practice by using new functions: list comprehension; map; etc



### Thank you!

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