CODE for Room Generation

NOTE: Rather than eventually having to write ~98 different turtle functions in order to visualize our rooms, we considered a procedural generation program to produce the room's turtle code for us by pulling entries from our dictionary and outputting a turtle capable of tracing that room. After speaking with Sabir and Ayesha in lecture on Wednesday we moved forward with that idea. Therefore, there are not 5 individual functions that draw 5 different rooms, rather one function and a dictionary worth of rooms that have the potential to be generated at any time. Please consider this when looking at the assignment! :)

```
import turtle
import sys
screen = turtle.Screen()
screen.title("Name of Turtle Design Here")
screen.setup(width=800, height=800)
t = turtle.Turtle()
t.speed(0)
locations = {
```

```
"actions": {"backpack": "**BACKPACK COMPONENTS**"}
           "backpack": "**BACKPACK COMPONENTS**"}
"actions": {"backpack": "**BACKPACK COMPONENTS**"}
```

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```

```
def create room(roomID):
```

```
type = locations[f"{roomID}"]["type"]
roomID = roomID.upper()
   t.forward(25)
   t.penup()
   t.forward(100)
   t.pendown()
   t.forward(25)
   t.penup()
   t.pendown()
   t.left(90)
```

```
if type == "reg room":
   t.teleport(250, 250)
   t.forward(200)
        t.forward(100)
    t.forward(200)
   t.forward(200)
        t.forward(100)
    t.teleport(50, 50)
        t.right(90)
        t.forward(100)
```

```
turtle_halls()
else:
    t.right(90)
    t.forward(100)
if exit_north == True:
    turtle_halls()
else:
    t.right(90)
    t.forward(100)

# GENERATES UNIQUE ROOMS
elif type == "dining_center":
    pass

turtle.exitonclick()
```

CODE for MENUS

```
def start menu():
   # i is used to end the while loop and close the program
  i = True
   while i:
       # Displays the users options upon opening the menu
      print("----Bulldog Brawl Menu----")
      print("1. Play Game")
      print("2. Instructions")
      print("3. Quit Game")
       # Prompts for user input
      menu choice = input("\nMake A Selection (1, 2, 3): ")
       # Checks for valid inputs and runs correct function where necessary
      if menu choice == "1":
           play_game()
       elif menu choice == "2":
           show instructions()
       elif menu choice == "3":
           # Sets i to False, thus ending the while loop and completing the
start_menu() function
           i = False
# initializes the start menu function upon program start
start_menu()
```

5 Example Representation Rooms:

