class EquipmentManagementSystem:

def \_\_init\_\_(self):

self.menu\_options = {

"1": "Search Equipment",

"2": "Process Order",

"3": "Issue Equipment",

"4": "Generate Reports",

"5": "Exit"

}

def display\_menu(self):

print("\n--- Military Equipment Supply Management System ---")

for option, description in self.menu\_options.items():

print(f"{option}. {description}")

def search\_equipment(self):

print("\n--- Search Equipment ---")

search\_term = input("Enter equipment name or ID: ")

# Implement equipment search functionality here

# Perform search operations on the database and display results

def process\_order(self):

print("\n--- Process Order ---")

order\_details = input("Enter order details: ")

# Implement order processing functionality here

# Process the order and update the database

def issue\_equipment(self):

print("\n--- Issue Equipment ---")

equipment\_id = input("Enter equipment ID: ")

recipient = input("Enter recipient: ")

# Implement equipment issuance functionality here

# Update equipment status and issuance records

def generate\_reports(self):

print("\n--- Generate Reports ---")

report\_type = input("Select report type (1. Inventory, 2. Maintenance, 3. Supplier Performance): ")

# Implement report generation functionality here

# Generate and display the selected report

def run(self):

while True:

self.display\_menu()

choice = input("Select an option: ")

if choice == "1":

self.search\_equipment()

elif choice == "2":

self.process\_order()

elif choice == "3":

self.issue\_equipment()

elif choice == "4":

self.generate\_reports()

elif choice == "5":

print("Exiting the system. Goodbye!")

break

else:

print("Invalid choice. Please select a valid option.")

if \_\_name\_\_ == "\_\_main\_\_":

system = EquipmentManagementSystem()

system.run()