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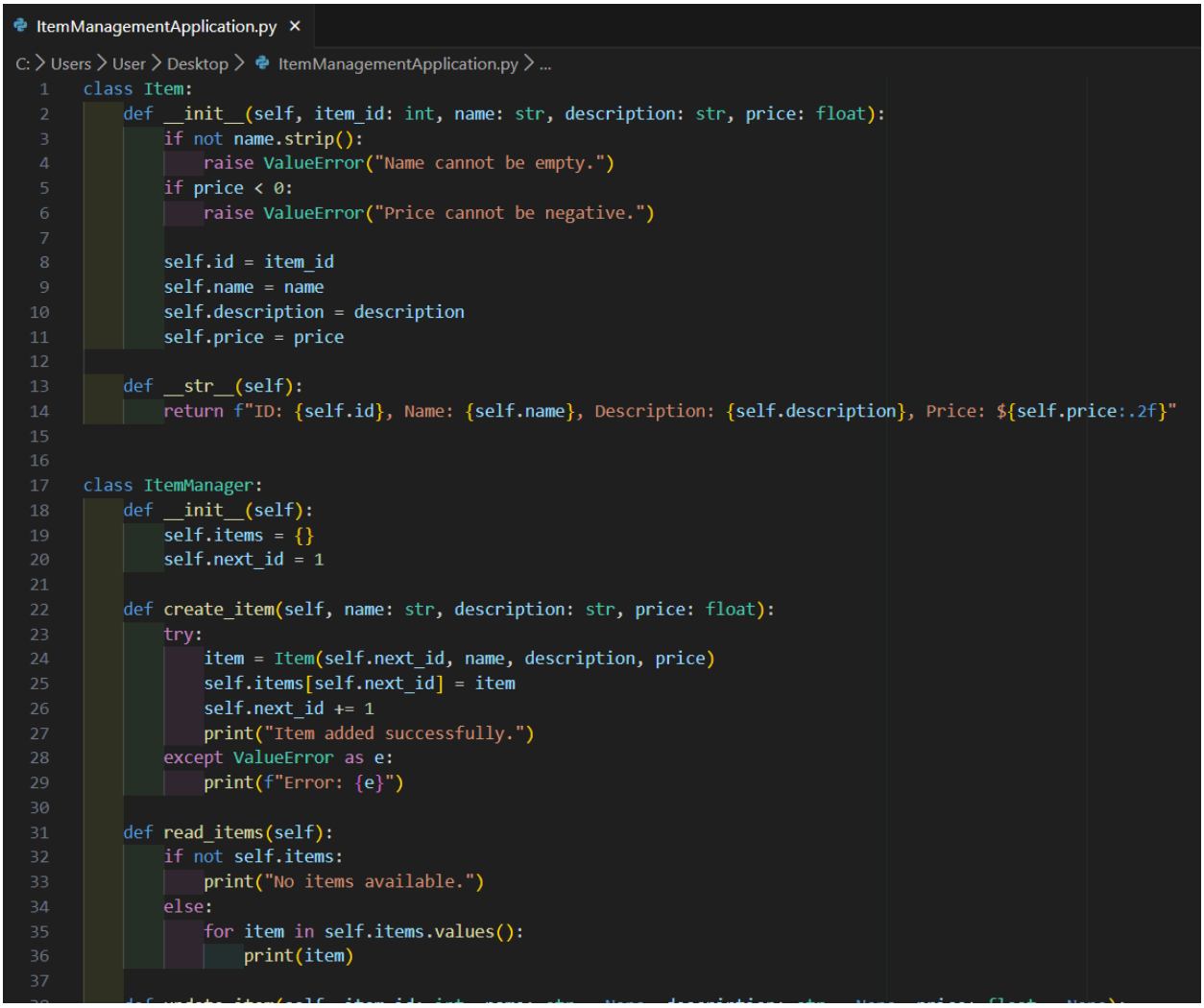
TB22

Activity 6 Screenshots



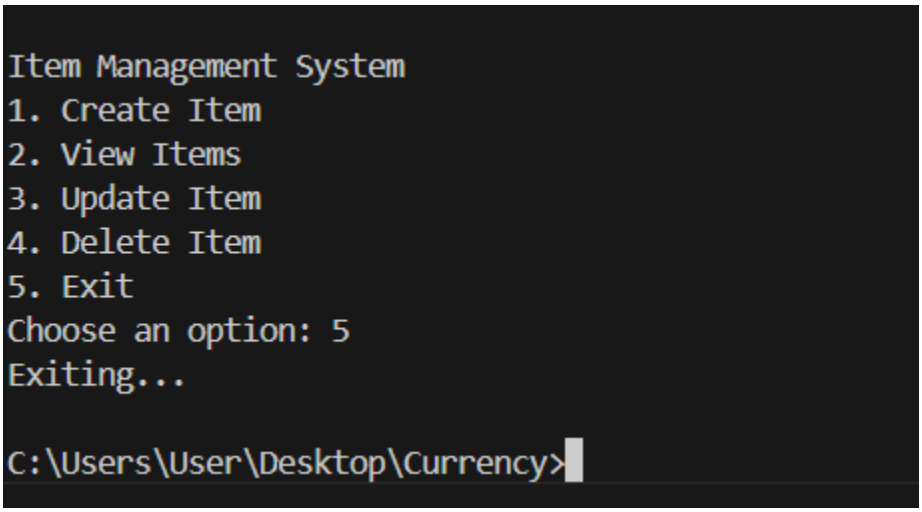
```python
    def update_item(self, item_id: int, name: str = None, description: str = None, price: float = None):
        if item_id not in self.items:
            print("Item not found.")
            return

        item = self.items[item_id]
        try:
            if name:
                if not name.strip():
                    raise ValueError("Name cannot be empty.")
                item.name = name
            if description:
                item.description = description
            if price is not None:
                if price < 0:
                    raise ValueError("Price cannot be negative.")
                item.price = price
            print("Item updated successfully.")
        except ValueError as e:
            print(f"Error: {e}")

    def delete_item(self, item_id: int):
        if item_id in self.items:
            del self.items[item_id]
            print("Item deleted successfully.")
        else:
            print("Item not found.")


def main():
    manager = ItemManager()
    while True:
        print("\nItem Management System")
        print("1. Create Item")
        print("2. View Items")
        print("3. Update Item")
```

```
        print("4. Delete Item")
        print("5. Exit")
        choice = input("Choose an option: ")

        if choice == "1":
            name = input("Enter item name: ")
            description = input("Enter item description: ")
            try:
                price = float(input("Enter item price: "))
                manager.create_item(name, description, price)
            except ValueError:
                print("Invalid price. Please enter a number.")
        elif choice == "2":
            manager.read_items()
        elif choice == "3":
            try:
                item_id = int(input("Enter item ID to update: "))
                name = input("Enter new name (leave blank to keep current): ") or None
                description = input("Enter new description (leave blank to keep current): ") or None
                price_input = input("Enter new price (leave blank to keep current): ")
                price = float(price_input) if price_input else None
                manager.update_item(item_id, name, description, price)
            except ValueError:
                print("Invalid input.")
        elif choice == "4":
            try:
                item_id = int(input("Enter item ID to delete: "))
                manager.delete_item(item_id)
            except ValueError:
                print("Invalid ID.")
        elif choice == "5":
            print("Exiting...")
            break
        else:
            print("Invalid choice, please try again.")

```

```
            print("Invalid choice, please try again.")

if __name__ == "__main__":
    main()

```

```
C:\Users\User\Desktop\Currency>C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.11.exe c:/Users/User/Desktop/ItemManagementApplication
.py

Item Management System
1. Create Item
2. View Items
3. Update Item
4. Delete Item
5. Exit
Choose an option: 1
Enter item name: Good Sheet
Enter item description: This will bring you to Cloud Nine
Enter item price: 420
Item added successfully.

Item Management System
1. Create Item
2. View Items
3. Update Item
4. Delete Item
5. Exit
Choose an option: 2
ID: 1, Name: Good Sheet, Description: This will bring you to Cloud Nine, Price: $420.00

Item Management System
1. Create Item
2. View Items
3. Update Item
4. Delete Item
5. Exit
Choose an option: 3
Enter item ID to update: 1
Enter new name (leave blank to keep current): Snoop Dogg's Ice Cream
Enter new description (leave blank to keep current): Snoop Dogg's prototype of good sheet
```

```
Item Management System
1. Create Item
2. View Items
3. Update Item
4. Delete Item
5. Exit
Choose an option: 4
Enter item ID to delete: 1
Item deleted successfully.

Item Management System
1. Create Item
2. View Items
3. Update Item
4. Delete Item
5. Exit
Choose an option:
```


Item Management System
1. Create Item
2. View Items
3. Update Item
4. Delete Item
5. Exit
Choose an option: 5
Exiting...
C:\Users\User\Desktop\Currency>