

Order processing app!

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Introduction

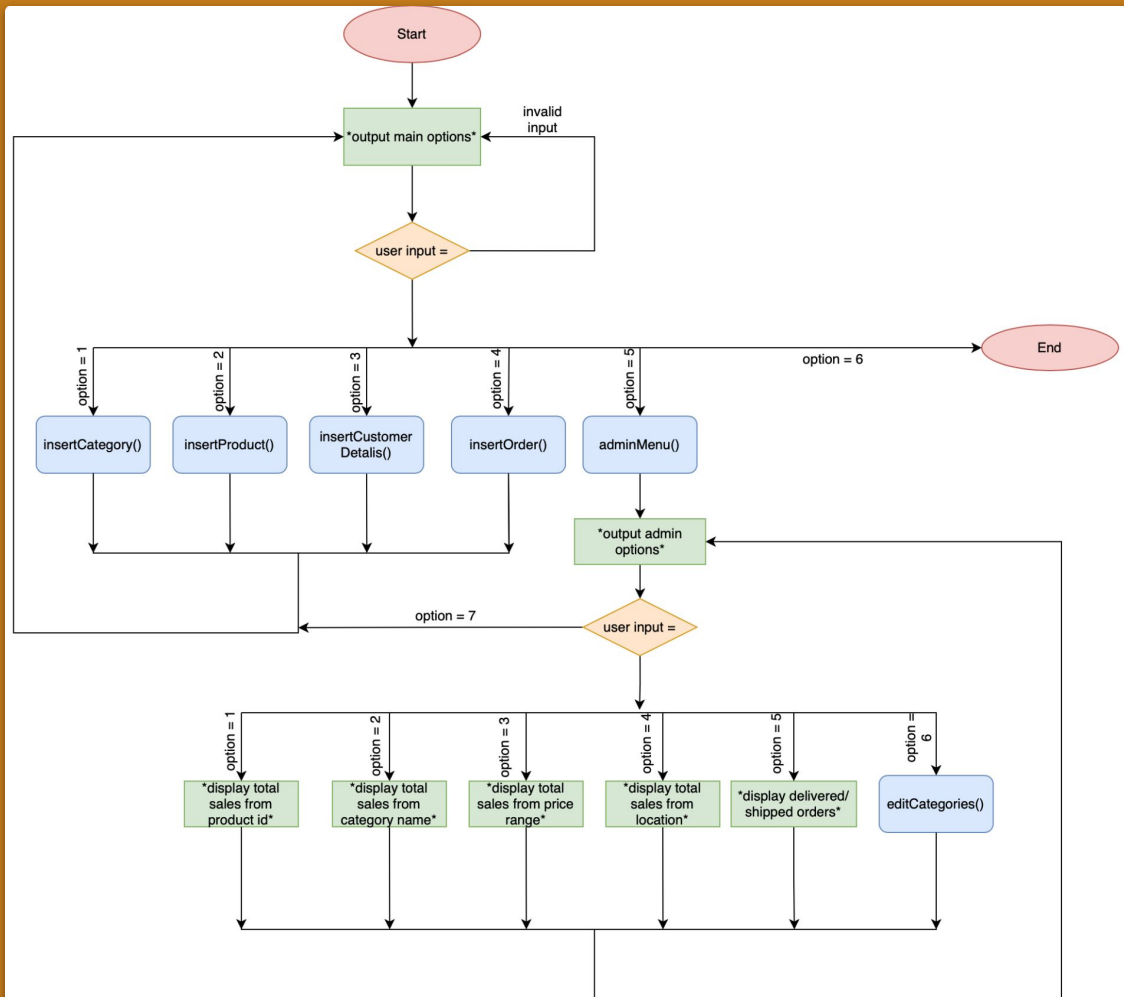
Main Functionality

- Insert Category
- Insert Product
- Insert Customer Details
- Insert Order

Admin Functionality

- Get Sales Based on:
 - Product ID
 - Price Range
 - Location
- See Shipped or Delivered Orders
- Edit Categories

Flowchart



Pseudocode

Choose an option from 1 to 6:
if option 1, then insert category;
if option 2, then insert product;
if option 3, then insert customer details;
if option 4, then insert order;
if option 5 - enter **admin menu**;
If option 6, then **exit the program**.

Pseudocode - Admin menu

Choose an option from 1 to 7:

- if option 1-4, then get total sales by:

 - product id - 1;

 - category name - 2;

 - sales profit range - 3;

 - location - 4.

- if option 5, then display all delivered/shipping orders;

- if option 6, then edit any empty category;

- If option 7, then **return to main menu.**

Code Snippets

```
200 #main options menu
201 while True:
202     option = int(input("Enter the option: \n1. Insert category."
203                        "\n2. Insert product. \n3. Insert customer details."
204                        "\n4. Insert order. \n5. ADMIN OPTIONS. \n6. Exit.\n"))
205     if option == 1:
206         cat_name = input("Enter category name: ")
207         cat_desc = input("Enter category description: ")
208         print()
209         category = [cat_name, cat_desc]
210         insertCategory(category)
211
212     elif option == 2:
213         prod_name = input("Enter product name: ")
214         price = float(input("Enter price of the product: "))
215         cat_id = int(input("Enter category Id: "))
216         print()
217         product = [prod_name, price, cat_id]
218         insertProduct(product)
219
220     elif option == 3:
221         cust_email = input("Enter an email: ")
222         cust_phone_number = input("Enter phone number: ")
223         address = input("Enter the address: ")
224         location = input("Enter location: ")
225         country = input("Enter the country: ")
226         print()
227         customer = [cust_email, cust_phone_number, address,
228                    location, country]
229         insertCustomerDetails(customer)
230
231     elif option == 4:
232         p_id = int(input("Enter product Id: "))
233         quantity = int(input("Enter quantity of product: "))
```

```
85 def adminMenu():
86     while True:
87         option = int(input("Get total sales based on: \n1. Product ID."
88                           "\n2. Category. \n3. Price Range."
89                           "\n4. Location. "
90                           "\n0Other options: \n5. See shipping/delivered orders."
91                           "\n6. Edit categories. \n7. Exit\n"))
92
93         if option == 1:
94             productID = eval(input("Please enter the product ID: "))
95             profit = 0
96             quantity = 0
97             #check every order for required productID and add quantity and profit
98             for orderID in list(orders.keys())[1:]:
99                 if orders[orderID][0] == productID:
100                     quantity += orders[orderID][1]
101                     profit += orders[orderID][2]
102             print()
103             print("Total sold: {}".format(quantity))
104             print("Total profit: £{}".format(profit))
105             print()
106
107         elif option == 2:
108             categoryName = input("Please enter the category name: ")
109             #find categoryID from categoryName
110             for currentCategory in list(categories.keys())[1:]:
111                 if categories[currentCategory][0] == categoryName:
112                     categoryID = currentCategory
113
114             profit = 0
115             quantity = 0
116             #check productID of every order, then from that, its category
117             for orderID in list(orders.keys())[1:]:
118                 productID = orders[orderID][0]
119                 currentCategory = products[productID][2]
```

Outputs

```
Enter the option:
1. Insert category.
2. Insert product.
3. Insert customer details.
4. Insert order.
5. ADMIN OPTIONS.
6. Exit.
4
Enter product Id: 0
Enter quantity of product: 2
Enter customer Id: 0
Enter status (Delivered / Shipping): Shipping

Enter the option:
1. Insert category.
2. Insert product.
3. Insert customer details.
4. Insert order.
5. ADMIN OPTIONS.
6. Exit.
```

Get total sales based on:

1. Product ID.
2. Category.
3. Price Range.
4. Location.

Other options:

5. See shipping/delivered orders.
6. Edit categories.
7. Exit

5

Enter desired status:

1. Shipping.
2. Delivered

2

Orders which are Delivered:

Order ID: 0

Product name: car

Get total sales based on:

1. Product ID.
2. Category.
3. Price Range.
4. Location.

Other options:

5. See shipping/delivered orders.
6. Edit categories.
7. Exit

5

Enter desired status:

1. Shipping.
2. Delivered

1

Orders which are Shipping:

Order ID: 1

Product name: car

Outputs

Outputs

```
Get total sales based on:
1. Product ID.
2. Category.
3. Price Range.
4. Location.
Other options:
5. See shipping/delivered orders.
6. Edit categories.
7. Exit
6
Empty categories:
Category ID: 0
Please enter ID of category you want to change (-1 for EXIT): 0
Choose an option:
1. Add product to a category.
2. Delete category.1

Enter product name:Ford F150
Enter price of the product:50000

Get total sales based on:
1. Product ID.
2. Category.
3. Price Range.
4. Location.
Other options:
5. See shipping/delivered orders.
6. Edit categories.
7. Exit
```

Thank You

