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FIT9136 Assignment 3

User Manual

Main Menu:

```
C:\Users\mrsk1\anaconda3\python.exe "D:\Monash\Sem1\FIT9136 Python For Algorithm and DS\new\nsak0012\Assessments\Assignment03\A3_student_template\main.py"
Welcome to the E-Commerce System
Please Wait till the products are extracted
After the products are extracted it will ask you to create an Admin for program
Please enter username for Admin:
```

```
Please enter username for Admin: admin
Please enter password for Admin: admin1
The admin data has been stored for admin
Login Menu:
1. Login
2. Register
3. Quit
Enter your choice:
```

The main menu will run the program. The steps to run the program correctly are as follows:

1. Run the main menu file.
2. If there is any admin created already in the users.txt file, then it will display the main menu.
3. If there is no admin created in the users.txt file, then it will ask the user to put a username and password for the admin.
4. Then the program will create the admin with the given username and password.
5. Then the program will import all the data from the csv files located in the product folder.
6. After the data is imported then the main menu.
7. The main menu has 3 options -> Login, Register and Quit
8. If other inputs are given which are not in the list then the program will display error message and ask the user to input again.

Login

- The user needs to press 1 and enter. It will ask the user to enter the username and password.
- If the username and password both are correct, then it will display the menu according to the user role(Admin or Customer).
- Successful message will display with the username of the user.

Register

The user needs to press 2 and enter. The program will ask the user to put in username, password, email, and mobile number. If all the four inputs are correct, then it will add the user to the users.txt file. The user will be added as a customer only. All the four inputs go through validations before adding a user. If any of them is wrong, then it will display error messages according to the input. If the user is registered successfully then it will display a Successful message.

Admin Menu:

```
Enter your choice: 1
Enter username: admin
Enter password: admin1
The user admin has logged in successfully
Admin Menu:
1. Show products
2. Add customers
3. Show customers
4. Show orders
5. Generate test data
6. Generate all statistical figures
7. Delete all data
8. Delete customer using customer id
9. Delete order using order id
10. Delete product using product id
11. Logout
```

The admin menu contains the above options.

Show Products: This function display a list of 10 products according to the page number. When this function is called. The user is asked to input the page number he wants to display.

It will display the product list according to the page number that the user inputs and only 10 products per page. If a wrong input is given then it will display error message and display the admin menu again. It will also display the total number of pages it has so that the user can get an idea what the max page number can be.

```
Enter your choice: 4
Enter page number: 40
Product List (Page 20 of 7500):
1. {'pro_id': '1386101', 'pro_model': 'SKU481116', 'pro_category': 'accessories', 'pro_name': 'Chapeau de p  cheur hiver chaud en laine', 'pro_current_price': '10.5', 'pro_raw_price': '10.5'}
2. {'pro_id': '1387050', 'pro_model': 'SKU483199', 'pro_category': 'accessories', 'pro_name': 'Chapeau tricot   pour homme', 'pro_current_price': '12.78', 'pro_raw_price': '12.78'}
3. {'pro_id': '1387457', 'pro_model': 'SKU483402', 'pro_category': 'accessories', 'pro_name': 'Bonnet en laine tricot  e', 'pro_current_price': '11.6', 'pro_raw_price': '11.6'}
4. {'pro_id': '1388217', 'pro_model': 'SKU483251', 'pro_category': 'accessories', 'pro_name': 'Bonnet unisexe en laine chaude', 'pro_current_price': '13.46', 'pro_raw_price': '13.46'}
5. {'pro_id': '1391149', 'pro_model': 'SKU485431', 'pro_category': 'accessories', 'pro_name': 'Chaussettes longues de sports de plein air', 'pro_current_price': '11.1', 'pro_raw_price': '11.1'}
6. {'pro_id': '1392884', 'pro_model': 'SKU483245', 'pro_category': 'accessories', 'pro_name': 'Bonnet chaud en laine tricot  e', 'pro_current_price': '21.65', 'pro_raw_price': '21.65'}
7. {'pro_id': '1395940', 'pro_model': 'SKU494015', 'pro_category': 'accessories', 'pro_name': 'Bonnet en velours Plus', 'pro_current_price': '8.99', 'pro_raw_price': '8.99'}
8. {'pro_id': '1396099', 'pro_model': 'SKU465982', 'pro_category': 'accessories', 'pro_name': 'Chapeau de voyage brod  ', 'pro_current_price': '14.7', 'pro_raw_price': '14.7'}
9. {'pro_id': '1397550', 'pro_model': 'SKU496342', 'pro_category': 'accessories', 'pro_name': 'Bonnet unisexe en laine   paisse    rayures chaudes', 'pro_current_price': '10.5', 'pro_raw_price': '10.5'}
10. {'pro_id': '1399146', 'pro_model': 'SKU482916', 'pro_category': 'accessories', 'pro_name': 'Bonnet Femme Chaud Sauvage', 'pro_current_price': '8.77', 'pro_raw_price': '8.77'}
```

This is a view of the products list.

Add Customers: This function is same as the Register function. The user needs to press 2 and enter. The program will ask the user to put in their username, password, email, and mobile number. If all the four inputs are correct, then it will add the user to the users.txt file. The user will be added as a customer only. All the four inputs go through validations before adding a user. If any of them is wrong, then it will display error messages according to the input. If the user is registered successfully then it will display a Successful message.

Show Customers: This function will show a list of 10 customers per page. The user need to input the page number they want to view. If wrong input is given then it will display the total pages it can display for the user to have an idea what the max mage number will be.

Show Orders: This will display the list of orders that a particular user has made. It will ask the user to input the user_id he wants to display. If there is no order then it will display message that the user has no order. It will also ask for the page number.

Generate test Data: This function generates 10 users with random username, email, register time, userID, mobile number and “password1” as password. For each of these 10 users, 50 to 200 orders will be places with random products from the products.txt file and with random order time.

Generate all statistical figures: This functions display 7 graphs of data that was required by the assignment. It will ask for the userID of a certain users that the suer wants to display data of. All the figures are stored data/figure folder.

Delete all data: This function deletes all the data that is available except the admin of the system. Deleted data includes all customers, products and orders.

Delete customer using customer id: This function will ask for the userID of the customer, if the userID is present in the users.txt file then it will be deleted if its role is not Admin. If there is not user with the given userID then it will display error message and display the menu again.

Delete order using order id: This function will ask for the order_id of the order that he wants to delete, if the order_id is present in the orders.txt file then it will be deleted. If there is no order with the given order id then it will display error message and display the menu again.

Delete product using product id: This function will ask for the product_id of the product, if the product_id is present in the products.txt file then it will be deleted. If there is no product with the given product_id then it will display error message and display the menu again.

Logout: This functions logs the user out and displays the main menu.

Customer Menu:

```
Enter your choice: 1
Enter username: FBZOM
Enter password: password1
The user FBZOM has logged in successfully
Customer Menu:
1. Show profile
2. Update profile
3. Show products
4. Show history orders
5. Generate all consumption figures
6. Get product using product id
7. Place an order
8. Logout
Enter your choice:
```

Show Profile: This function displays the latest information of the user.

Update Profile: This function lets the user change it user_name, user_password, user_email and user_mobile.

Show Products: This function will ask the user to put in a keyword, it will display all the products that has that keyword. This will display a list of products with no page limits.

Show history Orders: This function will display the orders that the user has made. It will also ask for the page number that the user wants to display.

Generate all consumption figures: This function will display a figure of the amount of purchases the user has done per month. The figure will be saved in the data/figure folder.

Get Product using product ID: This function will return the product information. If the user give the product_id of the product then it will display the specific product or else it will display the all the products.

Place an order: This function lets the user to place and order. It will ask for the product ID to place order. The order will be saved in the orders.txt file.

Logout: This functions logs the user out and displays the main menu.