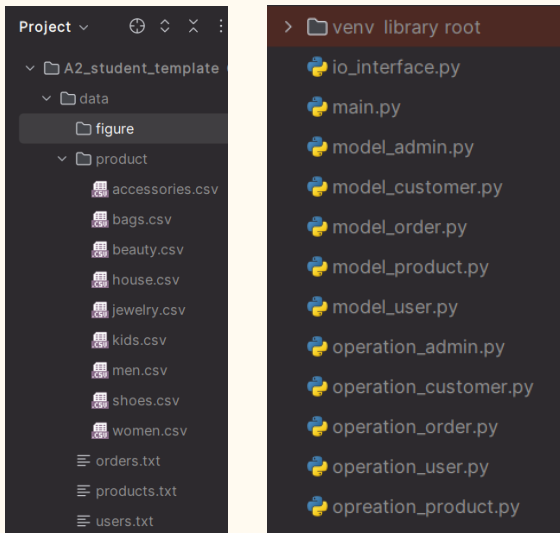


# USER MANUAL

Amena Ziard - Monash Student ID: 22880526 - ITO4133  
**Assessment 2: E-commerce information**

## INSTRUCTIONS TO NAVIGATE THE E-COMMERCE SYSTEM




### Accessing the project folder in PyCharm.

Unzip the compressed folder "ass2\_studentid.zip". You will find a project folder called, "A2\_student\_template". Inside, there are 12 .py files, as well as a "data" folder that has two sub-folders, "figure" and "product". Open the project folder in PyCharm.

The expected project path is: "A2\_student\_template".

Run the main.py file.

You may use a button that looks like this: 

This is located at the top of the PyCharm navigation bar.

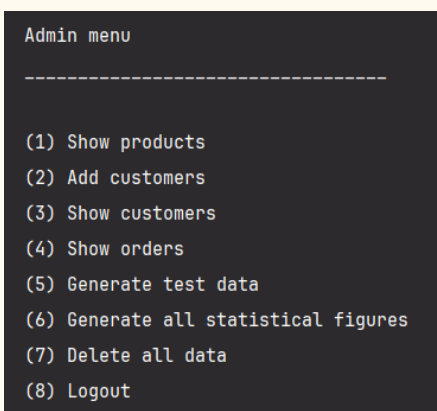
You will get an admin login prompt (see image on the right).  
To login as an admin user, use the following credentials:

admin username: sys-admin

admin password: adminpw0000

```
To login as admin, provide the admin credentials below.  
For the customer interface, enter any other input to bypass admin login.  
  
Enter admin username: sys-admin  
Enter admin password: adminpw0000  
  
Welcome, sys-admin! You are logged in as admin.
```

NOTE: This is the only way to access the system as an admin user.



### Using the E-Commerce System as an Admin User

Upon successfully logging in, you will be welcomed by the system. You will also be provided with an "Admin menu" (see image on left), listing several actions for you to choose from. This menu is only visible to admin users.

The menu options are numbered for your ease of use and to help guide your input. You can only enter a number between 1-8. You may select the number that corresponds with the action you'd like to take.

Not adhering to the input requirements will result in a system message notifying you of your invalid input (see image on the right). It will also inform you of the accepted inputs.

```
What would you like to do? 9  
Invalid selection. You can only enter a number between 1-8. Try again.
```

The admin menu will re-appear with an input prompt for you to try again.

## View available products in the E-Commerce System

To view a list of products available in the E-Commerce System, select "1". For a visual reference, view the image below. This is a sample. You can add products to the system using the .csv product files provided in the folder.

```
List of Products:
-----
ID: id, Name: name, Price: current_price, Likes: likes_count
ID: 1704506, Name: Gaine multi-outils en cuir vÃ©ritable EDC ceinture boucle taille, Price: 22.99, Likes: 174
ID: 1644205, Name: "Sac ceinture EDC Retro en cuir vÃ©ritable 7, Price: 2 pouces", Likes: 44
ID: 1689612, Name: "Sac de taille de tÃ©lÃ©phone en cuir vÃ©ritable de 6, Price: 5 pouces pour hommes EDC", Likes: 45
ID: 1676960, Name: "EDC en cuir vÃ©ritable rÃ©tro 6, Price: 3 pouces sac de tÃ©lÃ©phone", Likes: 70
ID: 1697644, Name: Sac Ã  bandouliÃ¨re en toile imprimÃ© fleur pour femme, Price: 33.99, Likes: 218
ID: 1678760, Name: Sac ceinture rÃ©tro en cuir vÃ©ritable EDC pour hommes, Price: 22.99, Likes: 66
ID: 1689026, Name: Sac ceinture en cuir vÃ©ritable EDC pour hommes, Price: 24.99, Likes: 90
ID: 1651529, Name: "6 emplacements pour cartes 6, Price: 3 pouces sac de tÃ©lÃ©phone ", Likes: 56
ID: 1711733, Name: Hommes EDC Multitool Flashlight Key Belt Bag, Price: 21.99, Likes: 54
```

NOTE: You can other admin actions after selecting any of the numbered options.

## Add customers into the E-Commerce System

To add a customer into the E-Commerce System, select "2". For a visual reference, view the image on the right. This is a sample. You may add new customers to the system using this functionality. The system will automatically generate each new customer a unique user id.

```
What would you like to do? 2

Let's add a customer to the system! Please provide the required information, following the prompts below:
Enter new customer's username: newcustomer-sample
Enter password for new customer: newcust-pw0000
Enter email of new customer: newcust@sampleadd.com
Enter new customer's mobile number: 0400000000

You have successfully registered newcustomer-sample! as a customer in the E-Commerce System!
```

NOTE: Usernames, email addresses, and mobile numbers will be validated. If a username or mobile number entered already exists, or if the email address is entered with incorrect input adherence (e.g., it does not follow a sample@samplemail.com format), the customer will not be successfully added into the E-Commerce System.

## View customers in the E-Commerce System

To view customers in the E-Commerce System, select "3". The system will provide you with a list of successfully registered customers with the number of pages. The default page number is "Page 1 of 1". For a visual reference, view the image on the right.

```
What would you like to do? 3

List of Customers in the E-Commerce System:
-----
User id: u_6290624790, Username: Charlie, Email address: charlie@example.com, Mobile number: 0412345678
User id: u_9842557913, Username: azzia1, Email address: azzia1@student.monash.edu, Mobile number: 0406028633
User id: u_0602155756, Username: azzia91, Email address: example@student.monash.edu, Mobile number: 0406028633
User id: u_3170178554, Username: azzia01, Email address: example2@student.monash.edu, Mobile number: 0406028633
User id: u_6530809149, Username: azzia02, Email address: example3@student.monash.edu, Mobile number: 0406028633
User id: u_0648445466, Username: azzia03, Email address: example4@student.monash.edu, Mobile number: 0406028633
User id: u_6988819422, Username: azzia4444, Email address: 4444@monash.student.edu, Mobile number: 0444444444
```

NOTE: This does not include admin users. This functionality displays customers only.

## View orders in the E-Commerce System

To view orders, select "4". The system will return a list of orders made by customers and the number of pages. If there are no orders, the system informs you of this. For a visual reference, view the image on the right.

```
What would you like to do? 4

There are currently no orders in the E-Commerce System.

Page 1 of 1
```

## Generating test data into the E-Commerce System

Select "5" to generate test data within the E-Commerce System. The system will automatically create test data of 10 customers and 50 orders for each of the test customers. Once this has been generated, you will receive a system message notifying you that this action has been completed. For reference, view the image on the right.

```
What would you like to do? 5
```

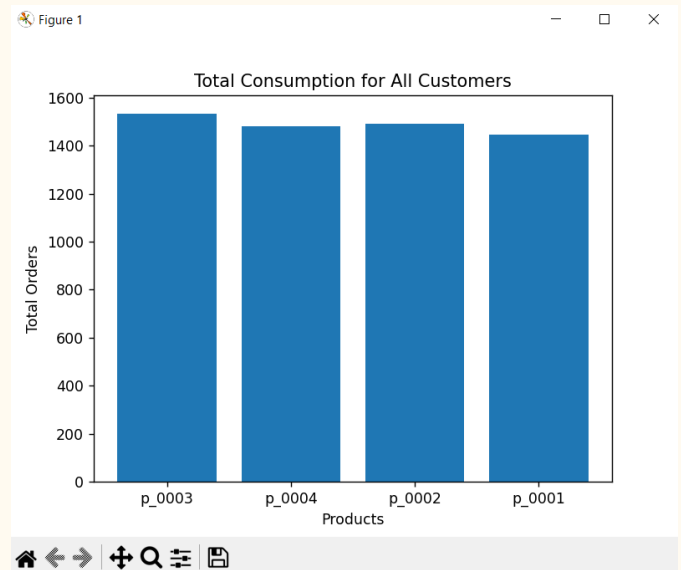
```
Test data has been generated!
```

NOTE: The test customers generated will not be visible in the customer list when you select "3" on the admin menu. This is to ensure data integrity when using this functionality.

## Viewing statistical figures in the E-Commerce System

Select "6" to view all consumption statistical figures through the consumption data stored in the system. You will get a pop-up figure of the total number of orders (purchases made) for each product in the .cvs product files used by the E-Commerce System. These files can be found in the "A2\_student\_template" project folder. Using the floppy disk icon, you can save this figure into your own local drive or desired file location.

The image on the right is a visual reference of this pop-up figure, alongside the other actions you can take such as moving the pop-up, saving it, minimising, or exiting the pop-up. This is a sample figure using the test data generated within the E-Commerce System.



## Deleting all data from the E-Commerce System

Select "7" to delete all customer and order data from the system. Once this data has been deleted, you will get a system message confirming the data has been deleted. For reference, view the image on the right. You can verify this by selecting "3" to view customers and "4" to view orders. If there is no customer or order data stored, you will get system messages notifying you.

```
What would you like to do? 7
```

```
All customer and order data have been deleted!
```

The images below are visual references of what this looks like.

```
What would you like to do? 3
```

```
List of Customers in the E-Commerce System:
```

```
There are no customers in the system. To add a customer, select 2.
```

```
What would you like to do? 4
```

```
There are currently no orders in the E-Commerce System.
```

```
Page 1 of 1
```

## Logging out of the system as an admin user

Select "8" to exit the admin menu and log out as an admin user. By doing so, the customer interface option will be activated. This includes options to login as a customer, registering as a new customer into the system, and quitting the system. The image on the right provides a visual reference of this. If you enter incorrect admin credentials upon start up, you will be led to the customer interface.

```
What would you like to do? 8
```

```
You have logged out as an admin user.
```

```
Welcome to the E-Commerce System!
```

```
-----
(1) Login
(2) Register
(3) Quit
```

## Using the E-Commerce System as a Customer

```
Enter admin username: 0
Enter admin password: 0

Incorrect/non-existent admin credentials.

Proceeding to the Systems' main menu...
```

If you are not using the system as an admin, you can enter any other input into the admin credentials prompts (see the image on the right). The system will confirm your incorrect input. You will be directed to, and welcomed, to the system's customer interface (see the image below). You have three options: login, register or quit the system.

The main menu of the customer interface only accepts numbers 1-3. The input numbers correspond with the numbered list of actions available in this interface. Any other input will produce system messages of the invalid input, as seen in the images below.

```
Welcome to the E-Commerce System!

-----
(1) Login
(2) Register
(3) Quit
-----

Please choose an option from the menu. If you are an existing customer, select 1 to login.
If you are a new customer, select 2 to register an account with us. To quit, select 3:
```

```
Please enter a valid number.
```

This message appears when you enter an incorrect number.

```
Invalid option, please try again.
```

This message appears when you enter a non-number as input.

NOTE: The main menu will be called again for you to view the actions you can take. There will also be instructions to help guide your input to undertake the action you wish to take.

## Register a customer account in the E-Commerce System

```
Let's get you registered in the E-Commerce System!
Follow the prompts below to create an account with us.

Enter username: azzia1
Enter password: loginpw0000
Enter email: azzia1@email.com
Enter mobile: 0404040404

You have successfully registered!
Login with your registered details to continue using the E-Commerce System.
```

To register a customer account, select "2". Follow the input prompts to enter your details for your account. Your input will be validated to ensure that they are unique. You will be given a unique user id. This is automatically generated. After successful registration, you will be prompted to login with your account credentials, as seen in the image on the left.

## Logging into the E-Commerce System as a customer

Upon successful registration, you will be prompted to login with your registered credentials. Alternatively, to login from the main menu, select "1". Enter the username and password used during your customer account registration. The system will confirm your successful login with a welcome message, as seen in the image on the right. Incorrect login credentials will result in error messages, as seen in the images below.

```
Enter your username: azzia1
Enter your password: loginpw0000

Checking existence for username: azzia1
Welcome azzia1! You are logged in as customer.
```

```
Checking existence for username: azzia0
User does not exist.
```

This message appears when you enter an incorrect or non-existent username.

```
Checking existence for username: azzia1
Incorrect password. Try again.
```

This message appears when you enter an incorrect password but entered an existing username within the system.

NOTE: The admin account credentials can be used to login through the customer interface. You will be logged in as an admin and directed to the customer menu. Enter valid input to proceed with any of the menu actions.

## Quit out of the E-Commerce System

Select "3" from the main menu to quit and exit the system.  
A message thanking you for using the E-Commerce will appear to confirm your exit, as seen in the image on the right.

```
Thank you for using the E-Commerce System!
```

```
Process finished with exit code 0
```

## Navigating the Customer Menu

Once you have entered validated credentials into the customer interface's login prompts, you will be directed to the Customer Menu, as seen in the image on the right.

You can only enter numbers 1-8. These numbers correspond to the numbered action items under the customer menu. Entering an invalid input will cause a system message informing you of this, then calling the menu for you to try again. The images below demonstrate this.

```
Customer menu
-----

(1) Show profile
(2) Update profile
(3) Show products
(4) Show history orders
(5) Generate all consumption figures
(6) Logout

What would you like to do?
```

```
What would you like to do? 9
Invalid option, please try again.
```

This message appears when you enter a number that is not 1-8.

```
What would you like to do? a
Please enter a valid number.
```

This message appears when you enter a non-number.

## Viewing your profile information

Select "1" from the customer menu to view your profile details.  
The image on the right is a visual reference of what this looks like.

NOTE: "User role" will show your account type. There are two user roles (e.g., account types) in the system: customers (default type) and admin. The customer menu is still active. It will re-appear after producing your details. Enter a valid input to undertake another action within this menu.

```
User Details:
-----
User ID:u_2510202325
Username:sys-admin
User password: adminpw0000
User registration time: 24-10-2023_21:03:05
User role: admin
User email: admin@email.com
User mobile: 0400000404
```

## Updating your profile information

Select "2" from the customer menu to view your profile details. This will produce a selection of profile info fields that you can update. Select the number corresponding the field you would like to update.

The visual demo on the right shows an example of an email address update. Upon successful field update, the system produces messages as seen in the demo. You can update multiple fields as this menu continue to be called. Once your desired fields have been updated, select "5" to go back to the customer menu.

```
What would you like to update?
1. Username
2. Password
3. Email
4. Mobile
5. Go back

Enter your choice: 3
Enter new email: sys-admin@email.com
User email updated successfully!
```

NOTE: An incorrect input (number or non-number) will produce a system message for you to select a valid number, then calling this field menu again. See can be seen in the image on the right.

```
Enter your choice: q
Please enter a valid number.
```

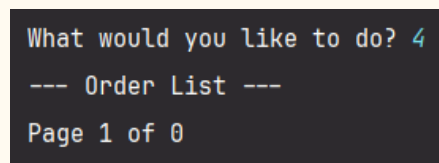
## View available products through the Customer Menu

To view a list of products available in the E-Commerce System, select "3" in the customer menu. For a visual reference, view the image below.

```
List of Products:
-----
ID: id, Name: name, Price: current_price, Likes: likes_count
ID: 1704506, Name: Gaine multi-outils en cuir vÃ©ritable EDC ceinture boucle taille, Price: 22.99, Likes: 174
ID: 1644205, Name: "Sac ceinture EDC Retro en cuir vÃ©ritable 7, Price: 2 pouces", Likes: 44
ID: 1689612, Name: "Sac de taille de tÃ©lÃ©phone en cuir vÃ©ritable de 6, Price: 5 pouces pour hommes EDC", Likes: 45
ID: 1676960, Name: "EDC en cuir vÃ©ritable rÃ©tro 6, Price: 3 pouces sac de tÃ©lÃ©phone", Likes: 70
ID: 1697644, Name: Sac Ã  bandouliÃ¨re en toile imprimÃ© fleur pour femme, Price: 33.99, Likes: 218
ID: 1678760, Name: Sac ceinture rÃ©tro en cuir vÃ©ritable EDC pour hommes, Price: 22.99, Likes: 66
ID: 1689026, Name: Sac ceinture en cuir vÃ©ritable EDC pour hommes, Price: 24.99, Likes: 90
ID: 1651529, Name: "6 emplacements pour cartes 6, Price: 3 pouces sac de tÃ©lÃ©phone ", Likes: 56
ID: 1711733, Name: Hommes EDC Multitool Flashlight Key Belt Bag, Price: 21.99, Likes: 54
```

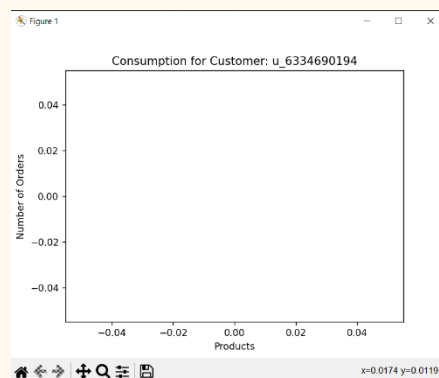
## View your order history through the Customer Menu

To view orders you have made in the E-Commerce System, select "4" in the customer menu. For a visual reference, view the image on the right.



## View your consumption data through the Customer Menu

You can view your consumption data as a statistical figure by selecting "5" in the customer menu. You will get a pop-up figure of the total number of orders (purchases made) for each product in the .csv product files used by the E-Commerce System. For a visual reference, view the image on the right. Using the floppy disk icon, you can save this figure into your own local drive or desired file location. You can move the pop-up, save it locally, minimise, or exit the pop-up. This is a sample figure for a particular user in the system that hasn't completed any orders (purchases) yet.



NOTE: This figure uses data that is user-specific. Through the admin menu, admin users can view the total consumption data available across all customers within the E-Commerce System.

## Logging out of the E-Commerce System through the Customer Menu

To log out of the system through the customer menu, select "6". You'll get system notifications notifying you of this process and confirm that you are logged out once this has been actioned. You will then be taken to the main menu, or the customer interface of the E-Commerce System. The image on the right provides a visual reference of what happens when you log out of the system.

