

FIT5136_S1_2024 Assessment 3: Development Process and Artifact **Readme File**

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- The main function can be found in the bottom of the MonashMerchantSystem class

```

+ Bao Hoang +1 *
public static void main(String args[]) throws FileNotFoundException, UnsupportedEncodingException {
    MonashMerchantSystem monashMerchantSystem = new MonashMerchantSystem();
    UserInterface userInterface = new UserInterface();
    userInterface.startMainMenu();
}
}

```

This will direct to the home screen:

```

-----
Main Menu
Please login to continue
-----
1. Login|
q. Quit

```

Login can be done using a customer or admin account.

To access the menu needed just enter the required menu option as input. (1 or q in this case)

Mock data:

To mock realistic data, on startup: mock items, customers are created and added to a text file which can be used to run the software.

No.	Name	Brand	Category	SubCategory	Price	Member Price	Quantity	Description
1	nutbar	coles	food	health	3.00	2.50	50	nut bar
2	bag	nike	accessories	bags	20.00	18.00	12	bag
3	book	cm	stationary	books	5.00	4.00	12	ruled book

```

public void createMockCustomerData() {
    File file = new File(CUSTOMER_FILENAME);
    if (!file.exists() || file.length() == 0) {
        FileIO fileIO = new FileIO();
        Customer customer = new Customer( email: "member@student.monash.edu", password: "Monash1234", firstName: "Member", lastName: "Pearce", dateOfBirth: "02/01" +
            "/1999", address: "Clayton", mobileNumber: "0435123456", funds: 1000.0, membershipStatus: false, new ShoppingCart());
        fileIO.writeFile(CUSTOMER_FILENAME, customer.toStringForFileIO());
    }
}
}

```

ADMIN LOGIN:

```
Enter username: admin@merchant.monash.edu
Enter password: 12345678
Successfully logged in as an Admin
Logged in successfully!
```

The following are the admin options that can be run as an admin

```
Logged in as: admin@merchant.monash.edu
-----
What would you like to do?
-----
1. Add a product
2. Delete a product
3. Edit a product
4. View products
b. Log out
```

Customer login:

The following login can be used to login as a customer

```
Enter username: member@student.monash.edu
Enter password: Monash1234
Successfully logged in as a Customer
Logged in successfully!
```

```
Logged in as: member@student.monash.edu
-----
What would you like to do?
-----
1. Browse Products
2. Shop
3. View Shopping Cart/Checkout
b. Log out
```

Shopping as a customer: Option 2

```

2
No.      Name      Brand      Category      SubCategory      Price      Member Price      Quantity      Description
1        nutbar    coles      food           health           3.00      2.50              50            nut bar
2        ee        nike       accessories    bags             20.00     18.00             12            bag
3        book      cm         stationary     books            5.00      4.00              12            ruled book
0. Go to main menu
4. Proceed to checkout
Enter the product number to add to cart:
2
Enter the quantity:(Cannot exceed 10)
2
Product added to cart!!

```

Checkout (with valid funds)

```

4
Redirecting to checkout...
member@student.monash.edu
===== Check out=====
Product      Quantity      Product Price      Total Price
-----
ee            2            20.00             40.00
The total checkout amount is: 40.0
Enter Y to proceed or N to cancel order and return to homescreen. (Items will not be on hold)
Y
Proceeding to place order....
Checking balance and verifying inventory.....
Funds verified..
=====
Order Summary
=====
Name: Member Email: member@student.monash.edu
Order Items:
===== Check out=====
Product      Quantity      Product Price      Total Price
-----
ee            2            20.00             40.00
Total Price: 40.0
Remaining balance: 960.0
Payment processing.....
Confirming order. Almost there.....
Order confirmed !! Here is your order number: Membermember@student.monash.edu
Your remaining funds are: 960.0
Please give your feed back for your shopping experience...Enter X to exit

```

The checkout function validates if the customer has sufficient funds in the account and if the items in cart are available in the cart before processing the order.

To quit:

MONASH MERCHANT

Main Menu

Please login to continue

1. Login

q. Quit

q

Process finished with exit code 0