

# MINET(Ware House)

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## 1. About

MINET is a Swedish network-based Hardware Store. It is a command line interface application. It shall emulate the functionality of Warehouse. To use the system, the user needs to be authenticated before allowing into the system. The credentials consist of a password and a unique username. After logging in with the credentials, the user shall select his role in the Store.

## 2. Project Overview

The application is a command line interface (terminal) application that does not have a graphical user interface. The user only navigates by typing a number from an option list and then press enter to execute the command. Typing 0 and pressing enter in any part of the application will send you back to the main menu.

### 2.1 Project Description

When the User opens the MiNET application, the user shall ask to signup, if he is not registered in the system. Otherwise, he can directly login to the system. After logging into the system, the user shall select his role and starts his actions in the store. There are mainly three roles in the application. They are:

- ❖ Admin
- ❖ Manager
- ❖ Cashier

The screenshot of the welcome page is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: XXXXXXXXXXXX COUNTER NO: 0001 *
* ROLE: XXXXXXXXXXXX DATE: 21-09-2022 14:05:07 *
*****

Login Menu Options:
[1] Login
[2] SignUp
[0] Quit
Choose an option and press enter:
```

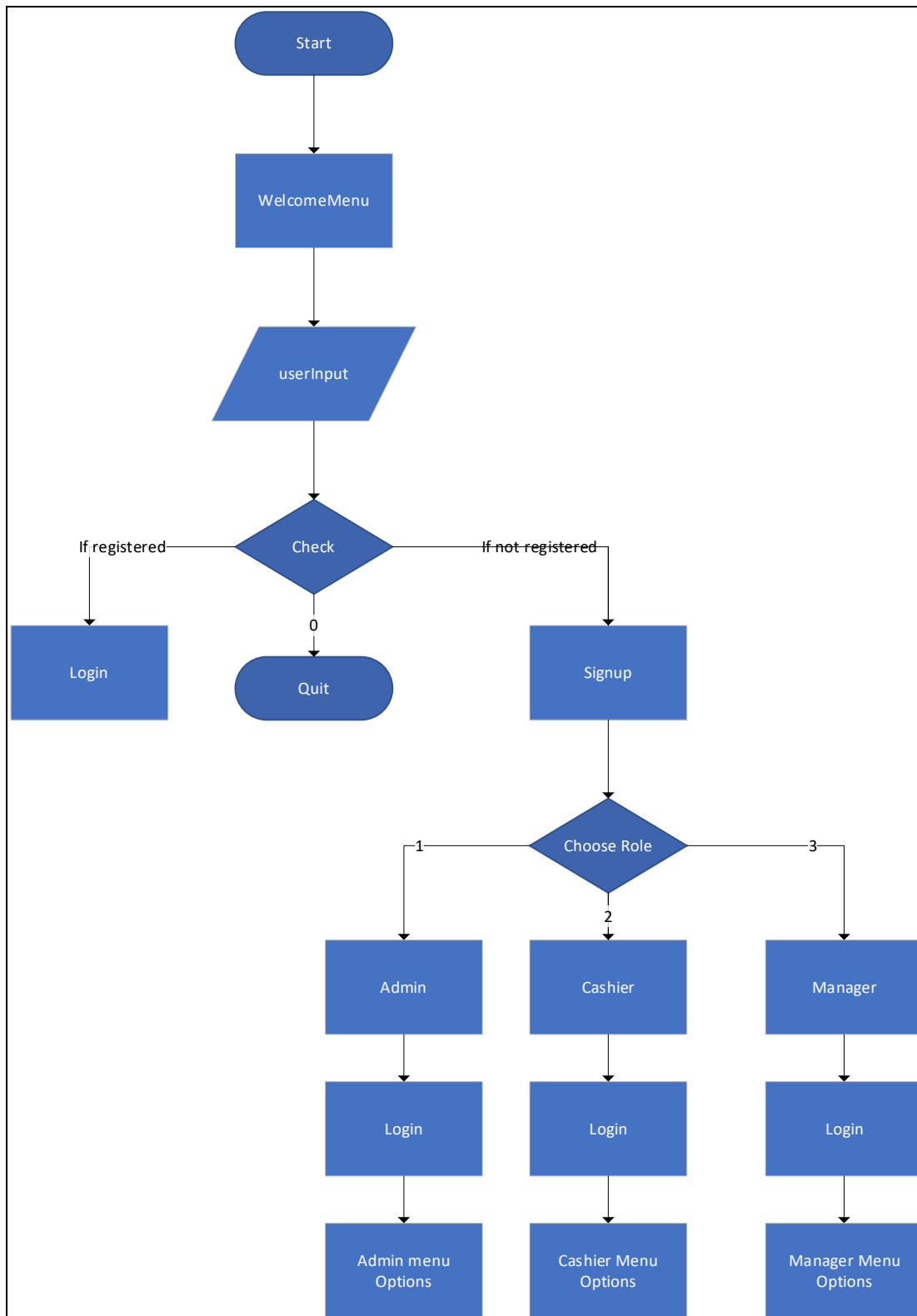
After Logging into the system, the system asks the role of the user. Then the user shall select his role and move on to the application. The screenshot of this is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: XXXXXXXXXX COUNTER NO: 0001 *
* ROLE: XXXXXXXXXX DATE: 21-09-2022 14:09:26 *
*****

Login Menu Options:
Enter User full name: Santhi ravi
Enter User name: santhi
Enter Password:
Enter Phone number: +91 9956432876
Enter Address: new jersey,USA
Enter Email id: santhi@gmail.com
Select the Role:
[1 ] ADMIN [2 ] CASHIER [3 ] MANAGER
Choose an option and press enter:
```

### Flow Chart:

The flow chart of the welcome menu is shown below:



### 2.1.1.1 Admin

When the user logs in and select the role as “Admin”, he shall see all the options of Admin. The admin has the following options:

- ❖ Transactions
- ❖ Products

- ❖ Suppliers
- ❖ Order
- ❖ Payments
- ❖ Cash Flow
- ❖ Profits
- ❖ Reports
- ❖ Settings

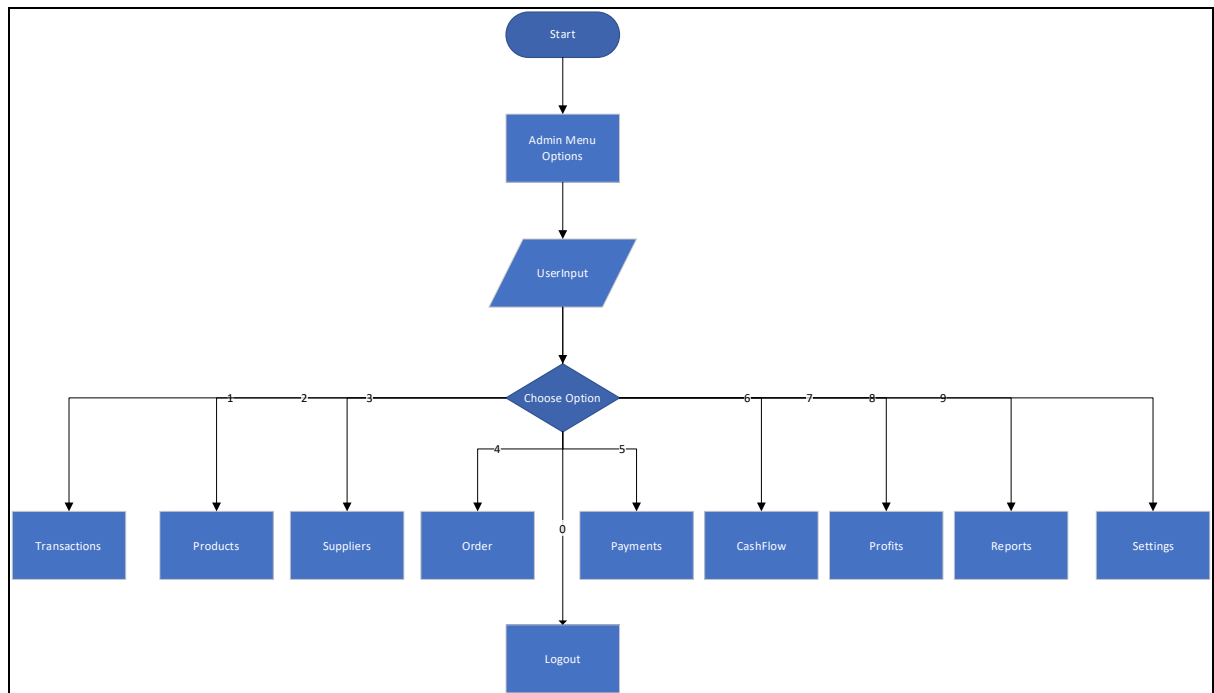
The screenshot of the Admin options shall be shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 14:07:49 *
*****

Admin Menu Options:
[1] Transaction
[2] Products
[3] Suppliers
[4] Order
[5] Payments
[6] Cash Flow
[7] Profits
[8] Reports
[9] Settings
[0] Logout
Choose an option and press enter:
```

#### Flow Chart:

The flowchart of the Admin menu is shown below:



#### 2.1.1.1 Transactions

When Admin enter option#1, he shall have all the transaction menu options. He shall list all the transactions, start it, and also he shall see the returned transactions. He shall also search for a particular transaction. The transaction menu options shall be shown below:

- ❖ List
- ❖ Start
- ❖ Return
- ❖ Search

The screenshot of the Transactions is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI *
* ROLE: ADMIN *
* COUNTER NO: 0001 *
* DATE: 21-09-2022 16:45:47 *
*****

Transaction Menu Options:
[1] List
[2] Start
[3] Return
[4] Search
[0] Back
Choose an option and press enter:
  
```

#### 2.1.1.1.1 List

When the admin enters option#1 in transaction menu, he shall see all the list of transactions that are made in the system. He shall see all the transactions made by cashier and the manager and himself. He shall also have a look for which item ,the transaction has been done.

The screenshot of the above is shown here:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 17:06:07 *
*****

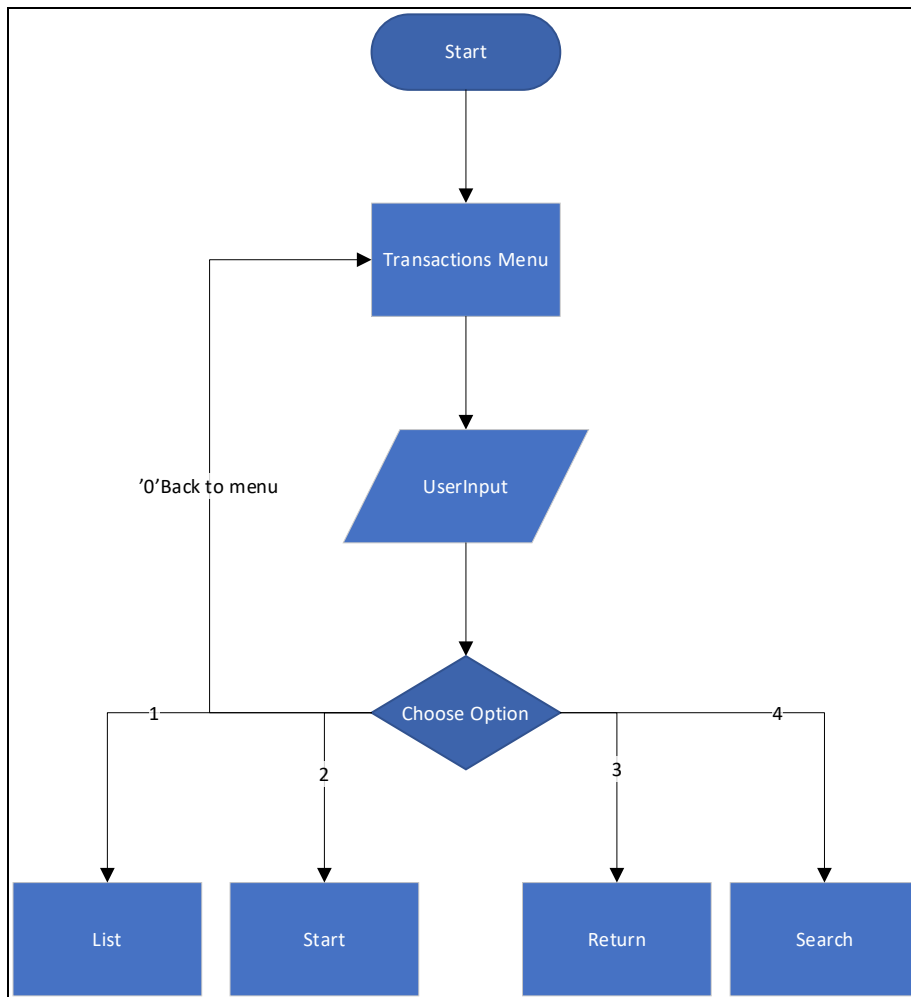
Transaction List Options:
|-----|
| HELLO, KARTHIKEYA RAVI ! FIND ALL THE TRANSACTIONS. |
|-----|
| S.NO| ID | SOLD BY | NO.ITEMS | DATE | STATUS | AMOUNT |
|-----|
| 1 | 1 | Rishitha ravi | 1 | 19-09-2022 18:28:09 | SALE | 180000.0 |
|-----|
| TOTAL AMOUNT: | 180000.0 |
|-----|

Do you want see the details [Yes/No]:y
Choose an option and press enter: 1
|-----|
| NAME: RISHITHA RAVI COUNTER NO: 0001 |
| ROLE: MANAGER DATE: 19-09-2022 18:28:09 TYPE: SALE |
|-----|
| S.NO | ID | NAME | SHORT NAME | QTY | PRICE | AMOUNT |
|-----|
| 1 | 6 | OnePlus 10 Pro. | OnePlus | 9.0 | 20000.0 | 180000.0 |
|-----|

[C] Continue
[Q] Quit
Options:
```

#### Flow Chart:

The flow chart of the following shall be shown below:



#### 2.1.1.1.2 Start

When the admin enters option#2, he shall go to the start option. Here, the admin shall start the transaction. The admin shall enter the ID or Short name or full name of the product. Then the admin shall see list of products available in the store . However he shall do the transaction only when, there should be one display item of the product. He shall not sell the displayed item.

**Note: There should be always one display item in the store.**

The screenshot of the this is shown below:



```
Start Transaction Options:
Enter Product (ID | Full Name | Short Name): galaxy
| S.NO | ID | NAME | SHORT NAME | PRICE | AVAIL QTY | MIN QTY | ORDERED QTY |
| 1 | 2 | Samsung Galaxy S22 Ultra | galaxy ultra | 20000.0 | 20.0 | 1 | 0.0 |
| 2 | 4 | Samsung Galaxy Z Flip 4 5 | Galaxy flip | 29000.0 | 10.0 | 1 | 0.0 |
Choose an option and press enter: 2
Product Quantity: 10
SAMSUNG GALAXY Z FLIP 4 5G minimum stock should be 1
Enter Product (ID | Full Name | Short Name): galaxy
| S.NO | ID | NAME | SHORT NAME | PRICE | AVAIL QTY | MIN QTY | ORDERED QTY |
| 1 | 2 | Samsung Galaxy S22 Ultra | galaxy ultra | 20000.0 | 20.0 | 1 | 0.0 |
| 2 | 4 | Samsung Galaxy Z Flip 4 5 | Galaxy flip | 29000.0 | 10.0 | 1 | 0.0 |
Choose an option and press enter: 2
Product Quantity: 9
Continue transaction [Yes/No]:n

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 17:13:48 *
*****

ITEM NAME | QTY | PRICE | AMOUNT
-----
Galaxy flip 9.0 29000.0 261000.0

TOTAL AMOUNT: 261000.0
BALANCE: 0.0
*****
THANK YOU COME AGAIN
*****
```

#### 2.1.1.1.3 Return

When the admin enters option# 3, he shall have the option of returning the products in the store .He shall enter the ID of the product and then he shall be asked the quantity of the products, that he is going to return. Then the quantity of the products shall be reduced in the store, and the money shall be deducted. The screenshot shall be shown below:

```

Return Product Options:
Enter Search Transaction ID: galaxy
Invalid option
Enter Search Transaction ID: 1

```

NAME: RISHITHA RAVI		COUNTER NO: 0001	
ROLE: MANAGER		DATE: 19-09-2022 18:28:09 TYPE: SALE	

```


```

S.NO	ID	NAME	SHORT NAME	QTY	PRICE	AMOUNT
1	6	OnePlus 10 Pro.	OnePlus	9.0	20000.0	180000.0

```

Choose an option and press enter: 1
Product Quantity: 6

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI *
* ROLE: ADMIN *
* DATE: 21-09-2022 17:27:37 *
*****

```

ITEM NAME	QTY	PRICE	AMOUNT
OnePlus	-6.0	20000.0	-120000.0
TOTAL AMOUNT:			-120000.0
BALANCE:			0.0

```

*****
* THANK YOU COME AGAIN *
*****

```

#### 2.1.1.1.4 Search

When the admin enters option#4, he shall search for the transaction .He shall enter the id of the transaction. He shall also see the details of the product i.e. the quantity, price and the amount of it.

The screenshot of the search option is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI *
* ROLE: ADMIN *
* DATE: 21-09-2022 17:38:25 *
*****

```

```

Search Transaction Options:
Enter Search Transaction ID: 2

```

```

HELLO, KARTHIKEYA RAVI ! FIND ALL THE TRANSACTIONS.

```

S.NO	ID	SOLD BY	NO.ITEMS	DATE	STATUS	AMOUNT
1	2	Karthikeya ravi	1	21-09-2022 17:13:03	SALE	261000.0
TOTAL AMOUNT:						261000.0

```

Do you want see the details [Yes/No]:y
Choose an option and press enter: 1

```

NAME: KARTHIKEYA RAVI		COUNTER NO: 0001	
ROLE: ADMIN		DATE: 21-09-2022 17:13:03 TYPE: SALE	

```


```

S.NO	ID	NAME	SHORT NAME	QTY	PRICE	AMOUNT
1	4	Samsung Galaxy Z Fli	Galaxy flip	9.0	29000.0	261000.0

#### 2.1.1.2 Products

When Admin enter option#2, he shall have all the Products menu options. He shall list all the products, create, edit and delete a product. The admin shall also search for a particular product in the system. The product menu shall have the following options:

- ❖ List
- ❖ Create
- ❖ Edit
- ❖ Delete
- ❖ Search

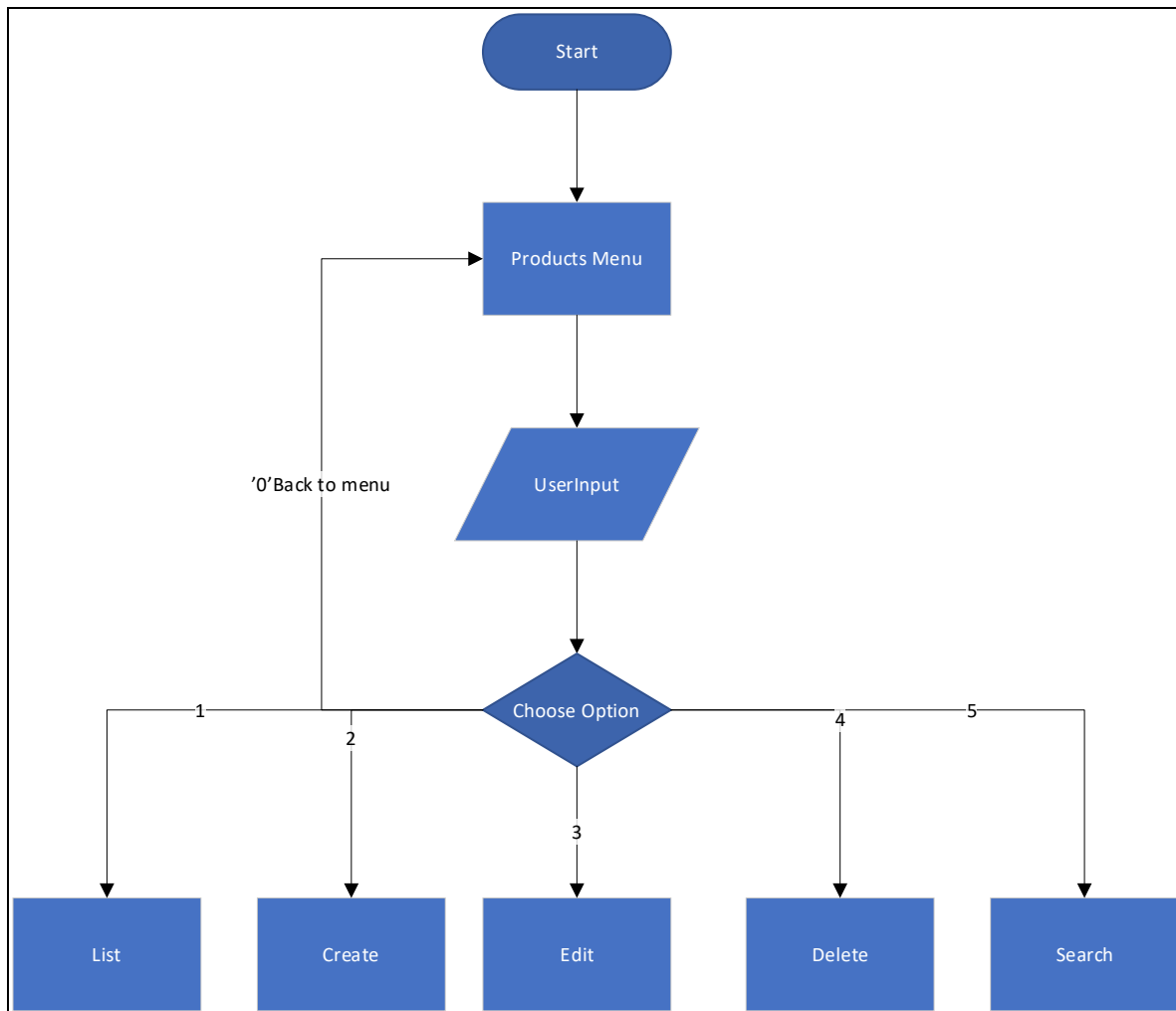
The screenshot is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 18:30:37 *
*****

Product Menu optionss:
[1] List
[2] Create
[3] Edit
[4] Delete
[5] Search
[0] Back
Choose an option and press enter:
```

**Flow Chart:**

The flow chart of the following shall be shown below:



#### 2.1.1.2.1 List

When the admin enters option#1, he shall see all the list of products available in the store. The list of the products are shown in the table. The products name, short name, price, available quantity, minimum quantity and the ordered quantity are displayed. The screenshot is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 19:10:57 *
*****

Product List options:
[1] APPLE IPHONE 13 PRO MAX[IPHONE PRO]
[2] SAMSUNG GALAXY S22 ULTRA[GALAXY ULTRA]
[3] VIVO X80 PRO PLUS 5G.[VIVO PRO]
[4] XIAOMI 12 PRO 5G.[XIAOMI PRO]
[5] SAMSUNG GALAXY Z FLIP 4 5G[GALAXY FLIP]
[6] ONEPLUS 10 PRO.[ONEPLUS]

+-----+-----+-----+-----+-----+-----+-----+-----+
| S.NO | ID | NAME | SHORT NAME | PRICE | AVAIL QTY | MIN QTY | ORDERED QTY |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | 1 | Apple iPhone 13 Pro Max | iphone Pro | 40000.0 | 20.0 | 1 | 0.0 |
| 2 | 2 | Samsung Galaxy S22 Ultra | galaxy ultra | 20000.0 | 20.0 | 1 | 0.0 |
| 3 | 3 | vivo X80 Pro Plus 5G. | vivo pro | 30000.0 | 20.0 | 1 | 0.0 |
| 4 | 5 | Xiaomi 12 Pro 5G. | xiaomi pro | 23000.0 | 10.0 | 1 | 0.0 |
| 5 | 4 | Samsung Galaxy Z Flip 4 5 | Galaxy flip | 29000.0 | 1.0 | 1 | 0.0 |
| 6 | 6 | OnePlus 10 Pro. | OnePlus | 20000.0 | 7.0 | 1 | 0.0 |
+-----+-----+-----+-----+-----+-----+-----+-----+

```

There must be always one item in the store which is not sold. (Display item)

### 2.1.1.2.2 Create

When the admin enters option#2, he shall have the option to create product. he shall create the product with its name, short name ,description. He shall also have the option to select the default supplier. The screenshot of this is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI *
* ROLE: ADMIN *
* COUNTER NO: 0001 *
* DATE: 21-09-2022 19:20:03 *
*****

Create Product Options:
Full Name: 2020 Apple MacBook Pro
Short Name: Apple pro
Description: The Apple-designed M1 chip represents a huge advance in processor, GPU and machine learning performance
Minimum Quantity: 20
Selling Price: 30000
Purchase Price: 25000
Select the Default Supplier:
[1 ] AGC INCORPORATED [Japan @ +81 568834892] [2 ] 3M COMPANY [Unites States @ +1 545679965445] [3 ] FLEX LIMITED [Unites States @ +1 65678398459] [4 ] ADVA
NTEST CORP [Japan @ +81 345689890]
[5 ] ELENTEC CO., LTD. [India @ +91 7646547738] [6 ] HITACHI LTD. [USA @ +1 56677389292]
Choose an option and press enter: 5
Available Quantity: 20
Data successfully Saved/Updated
```

### 2.1.1.2.3 Edit

When the admin enters option#3, he shall have the option to edit the product. He shall select the product with from the table and edit its short name, description ,price and supplier. The screenshot of this is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI *
* ROLE: ADMIN *
* COUNTER NO: 0001 *
* DATE: 21-09-2022 19:27:30 *
*****

Edit Product Options:
+-----+-----+-----+-----+-----+-----+-----+-----+
| S.NO | ID | NAME | SHORT NAME | PRICE | AVAIL QTY | MIN QTY | ORDERED QTY |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | 1 | Apple iPhone 13 Pro Max | iphone Pro | 40000.0 | 20.0 | 1 | 0.0 |
| 2 | 2 | Samsung Galaxy S22 Ultra | galaxy ultra | 20000.0 | 20.0 | 1 | 0.0 |
| 3 | 3 | vivo X80 Pro Plus 5G. | vivo pro | 30000.0 | 20.0 | 1 | 0.0 |
| 4 | 5 | Xiaomi 12 Pro 5G. | xiaomi pro | 23000.0 | 10.0 | 1 | 0.0 |
| 5 | 4 | Samsung Galaxy Z Flip 4 5 | Galaxy flip | 29000.0 | 1.0 | 1 | 0.0 |
| 6 | 6 | OnePlus 10 Pro. | OnePlus | 20000.0 | 7.0 | 1 | 0.0 |
| 7 | 7 | 2020 Apple MacBook Pro | Apple pro | 30000.0 | 20.0 | 20 | 0.0 |
+-----+-----+-----+-----+-----+-----+-----+-----+

Choose an option and press enter: 7
Do you want to edit 2020 APPLE MACBOOK PRO[APPLE PRO] [Yes/No]: y
Short Name: 2020 Apple Pro
Description: 8 GB of unified memory so everything you do is fast and smooth
Minimum Quantity: 1
Selling Price: 30000
Purchase Price: 25500
Select the Default Supplier:
[1 ] AGC INCORPORATED [Japan @ +81 568834892] [2 ] 3M COMPANY [Unites States @ +1 545679965445] [3 ] FLEX LIMITED [Unites States @ +1 65678398459] [4 ] ADVA
NTEST CORP [Japan @ +81 345689890]
[5 ] ELENTEC CO., LTD. [India @ +91 7646547738] [6 ] HITACHI LTD. [USA @ +1 56677389292]
Choose an option and press enter: 5
Available Quantity: 20
Data successfully Saved/Updated
```

After editing data, the updated table is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 19:34:10 *
*****

Product List options:
[1] APPLE IPHONE 13 PRO MAX[IPHONE PRO]
[2] SAMSUNG GALAXY S22 ULTRA[GALAXY ULTRA]
[3] VIVO X80 PRO PLUS 5G.[VIVO PRO]
[4] XIAOMI 12 PRO 5G.[XIAOMI PRO]
[5] SAMSUNG GALAXY Z FLIP 4 5G[GALAXY FLIP]
[6] ONEPLUS 10 PRO.[ONEPLUS]
[7] 2020 APPLE MACBOOK PRO[2020 APPLE PRO]

-----
| S.NO | ID | NAME | SHORT NAME | PRICE | AVAIL QTY | MIN QTY | ORDERED QTY |
-----
| 1 | 1 | Apple iPhone 13 Pro Max | iphone Pro | 40000.0 | 20.0 | 1 | 0.0 |
| 2 | 2 | Samsung Galaxy S22 Ultra | galaxy ultra | 20000.0 | 20.0 | 1 | 0.0 |
| 3 | 3 | vivo X80 Pro Plus 5G. | vivo pro | 30000.0 | 20.0 | 1 | 0.0 |
| 4 | 5 | Xiaomi 12 Pro 5G. | xiaomi pro | 23000.0 | 10.0 | 1 | 0.0 |
| 5 | 4 | Samsung Galaxy Z Flip 4 5 | Galaxy flip | 29000.0 | 1.0 | 1 | 0.0 |
| 6 | 6 | OnePlus 10 Pro. | OnePlus | 20000.0 | 7.0 | 1 | 0.0 |
| 7 | 7 | 2020 Apple MacBook Pro | 2020 Apple Pro | 30000.0 | 20.0 | 1 | 0.0 |
-----
```

2.1.1.2.4 Delete

When the admin enters option# 4, he shall have the option to delete the product. He shall select the product with from the table and delete it from the system. The screenshot of this is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 19:35:05 *
*****

Delete Product Options:

-----
| S.NO | ID | NAME | SHORT NAME | PRICE | AVAIL QTY | MIN QTY | ORDERED QTY |
-----
| 1 | 1 | Apple iPhone 13 Pro Max | iphone Pro | 40000.0 | 20.0 | 1 | 0.0 |
| 2 | 2 | Samsung Galaxy S22 Ultra | galaxy ultra | 20000.0 | 20.0 | 1 | 0.0 |
| 3 | 3 | vivo X80 Pro Plus 5G. | vivo pro | 30000.0 | 20.0 | 1 | 0.0 |
| 4 | 5 | Xiaomi 12 Pro 5G. | xiaomi pro | 23000.0 | 10.0 | 1 | 0.0 |
| 5 | 4 | Samsung Galaxy Z Flip 4 5 | Galaxy flip | 29000.0 | 1.0 | 1 | 0.0 |
| 6 | 6 | OnePlus 10 Pro. | OnePlus | 20000.0 | 7.0 | 1 | 0.0 |
| 7 | 7 | 2020 Apple MacBook Pro | 2020 Apple Pro | 30000.0 | 20.0 | 1 | 0.0 |
-----

Choose an option and press enter: 7
Do you want to delete 2020 APPLE MACBOOK PRO[2020 APPLE PRO] [Yes/No]: y
Data successfully Saved/Updated
```

After deleting the product from the store, admin shall see the updated table in the system. The screenshot is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 19:40:07 *
*****

Product List options:
[1] APPLE IPHONE 13 PRO MAX[IPHONE PRO]
[2] SAMSUNG GALAXY S22 ULTRA[GALAXY ULTRA]
[3] VIVO X80 PRO PLUS 5G.[VIVO PRO]
[4] XIAOMI 12 PRO 5G.[XIAOMI PRO]
[5] SAMSUNG GALAXY Z FLIP 4 5G[GALAXY FLIP]
[6] ONEPLUS 10 PRO.[ONEPLUS]

-----
| S.NO | ID | NAME | SHORT NAME | PRICE | AVAIL QTY | MIN QTY | ORDERED QTY |
-----
| 1 | 1 | Apple iPhone 13 Pro Max | iphone Pro | 40000.0 | 20.0 | 1 | 0.0 |
| 2 | 2 | Samsung Galaxy S22 Ultra | galaxy ultra | 20000.0 | 20.0 | 1 | 0.0 |
| 3 | 3 | vivo X80 Pro Plus 5G. | vivo pro | 30000.0 | 20.0 | 1 | 0.0 |
| 4 | 5 | Xiaomi 12 Pro 5G. | xiaomi pro | 23000.0 | 10.0 | 1 | 0.0 |
| 5 | 4 | Samsung Galaxy Z Flip 4 5 | Galaxy flip | 29000.0 | 1.0 | 1 | 0.0 |
| 6 | 6 | OnePlus 10 Pro. | OnePlus | 20000.0 | 7.0 | 1 | 0.0 |
-----
```

#### 2.1.1.2.5 Search

When the admin enters option# 5,he shall have the option to search for a particular product from the system. You shall search for the product by its name or ID. The screenshot of this is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 19:42:31 *
*****

Search product Options:
Enter Search keyword: 1

| S.NO | ID | NAME | SHORT NAME | PRICE | AVAIL QTY | MIN QTY | ORDERED QTY |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 1 | Apple iPhone 13 Pro Max | iphone Pro | 40000.0 | 20.0 | 1 | 0.0 |
|-----|-----|-----|-----|-----|-----|-----|-----|
```

#### 2.1.1.3 Suppliers

When Admin enter option#3, he shall have all the Supplier menu options .The admin shall create a supplier, edit, delete and search for supplier. The Supplier menu shall have the following options:

- ❖ List
- ❖ Create
- ❖ Edit
- ❖ Delete
- ❖ Search

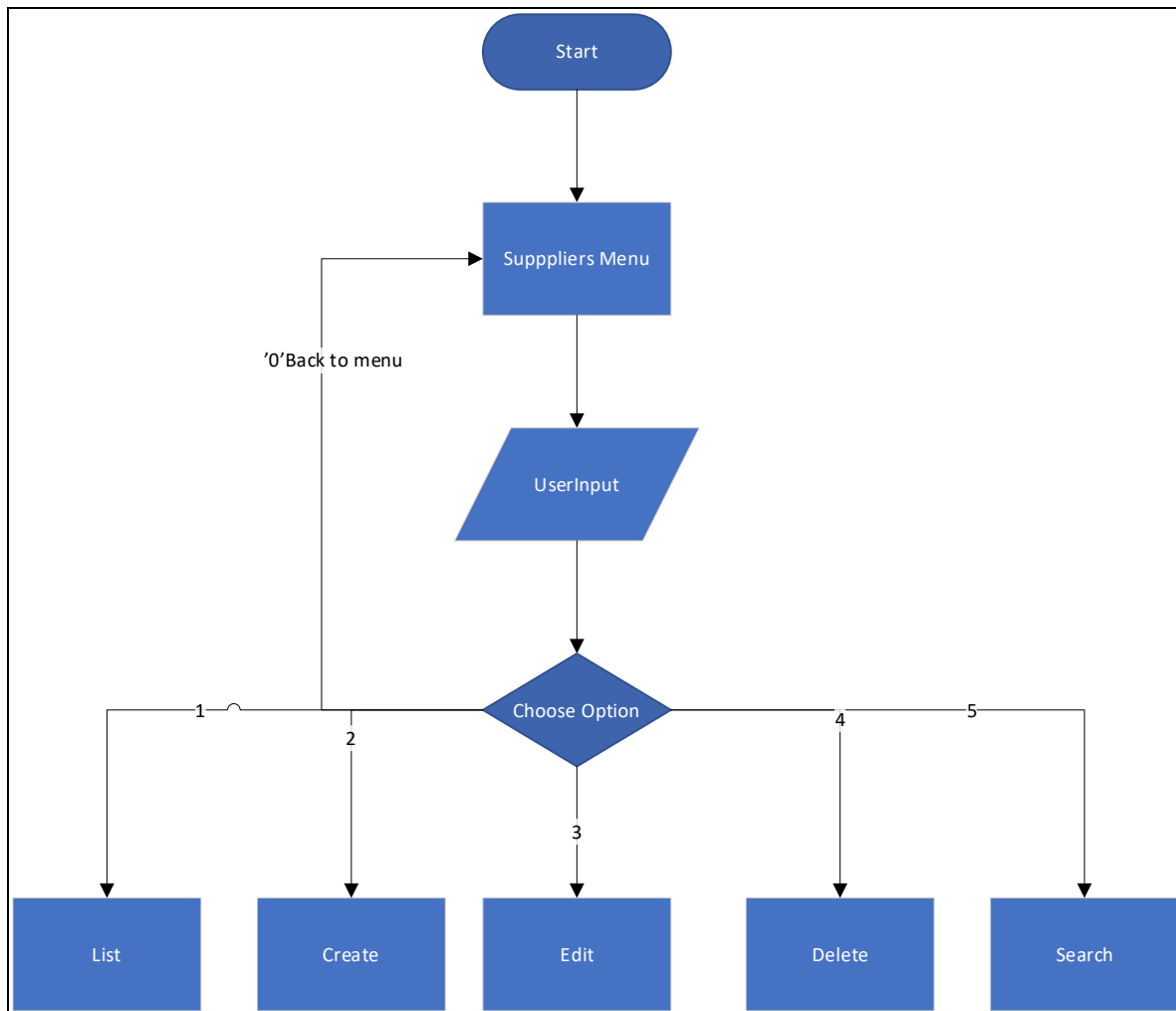
The screenshot of the supplier menu is shown below

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001
* ROLE: ADMIN DATE: 21-09-2022 21:20:06
*****

Supplier Menu Options:
[1] List
[2] Create
[3] Edit
[4] Delete
[5] Search
[0] Back
```

#### Flow Chart:

The flow chart of the following shall be shown below:



#### 2.1.1.3.1 List

When the admin enters option#1, he shall see all the list of suppliers available . The list of the suppliers are shown in the table. The suppliers name, email and phone number are displayed. The screenshot is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI                      *
* ROLE: ADMIN                                *
* DATE: 21-09-2022 21:25:08 *
*****

Suppliers List Options:
-----
| S.NO | ID | NAME                | EMAIL                | PHONE NUMBER |
-----|---|---|---|---|---|
| 1    | 1  | AGC Incorporated    | agc@gmail.com        | +81 568834892 |
| 2    | 2  | 3M Company          | company@gmail.com    | +1 545679965445 |
| 3    | 3  | Flex Limited        | flex@gmail.com       | +1 65678398459 |
| 4    | 4  | Advantest Corp      | advantest@gmail.com  | +81 345689890 |
| 5    | 5  | Elentec co., Ltd.   | elentec@gmail.com    | +91 7646547738 |
| 6    | 6  | Hitachi Ltd.        | hitachi@gmail.com    | +1 56677389292 |
-----
  
```

#### 2.1.1.3.2 Create

When the admin enters option#2, he shall have the option to create Supplier. He shall create the supplier by his/her name, email and phone number. The screenshot of this is shown below:



```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 21:28:35 *
*****

```

```

Create Supplier Options:
Name: Faxconn
Address: India
Email: faxconnn@gmail.com
Phone Number: +919987653434
Data successfully Saved/Updated

```

### 2.1.1.3.3 Edit

When the admin enters option#3, he shall have the option to edit Supplier. He shall edit the supplier by his/her name, email and phone number. The suppliers data is shown in the table .He shall select the id of the supplier and edit his details. The screenshot of this is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 21:31:26 *
*****

Edit Supplier Options:
-----|
| S.NO | ID | NAME | EMAIL | PHONE NUMBER |
|-----|
| 1 | 1 | AGC Incorporated | agc@gmail.com | +81 568834892 |
| 2 | 2 | 3M Company | company@gmail.com | +1 545679965445 |
| 3 | 3 | Flex Limited | flex@gmail.com | +1 65678398459 |
| 4 | 4 | Advantest Corp | advantest@gmail.com | +81 345689890 |
| 5 | 5 | Elentec co., Ltd. | elentec@gmail.com | +91 7646547738 |
| 6 | 6 | Hitachi Ltd. | hitachi@gmail.com | +1 56677389292 |
| 7 | 7 | Faxconn | faxconnn@gmail.com | +919987653434 |
|-----|

Choose an option and press enter: 7
Do you want to edit FAXCONN [India @ +919987653434] [Yes/No]: y
Name: Faxconn India
Address: Golconda,India
Email: faxconn@gmail.com
Phone Number: +919963816262
Data successfully Saved/Updated

```

After editing data, the supplier information shall be displayed in the table .The screenshot of this is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 21:40:21 *
*****

Suppliers List Options:
|-----|
| S.NO | ID | NAME | EMAIL | PHONE NUMBER |
|-----|
| 1 | 1 | AGC Incorporated | agc@gmail.com | +81 568834892 |
| 2 | 2 | 3M Company | company@gmail.com | +1 545679965445 |
| 3 | 3 | Flex Limited | flex@gmail.com | +1 65678398459 |
| 4 | 4 | Advantest Corp | advantest@gmail.com | +81 345689890 |
| 5 | 5 | Elentec co., Ltd. | elentec@gmail.com | +91 7646547738 |
| 6 | 6 | Hitachi Ltd. | hitachi@gmail.com | +1 56677389292 |
| 7 | 7 | Faxconn,India | faxconn@2gmail.com | +919963816262 |
|-----|
```

#### 2.1.1.3.4 Delete

When the admin enters option# 4, he shall have the option to delete the supplier. He shall select the supplier from the table and delete the data from the system. The screenshot of this is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 21:40:55 *
*****

Delete Supplier Options:
|-----|
| S.NO | ID | NAME | EMAIL | PHONE NUMBER |
|-----|
| 1 | 1 | AGC Incorporated | agc@gmail.com | +81 568834892 |
| 2 | 2 | 3M Company | company@gmail.com | +1 545679965445 |
| 3 | 3 | Flex Limited | flex@gmail.com | +1 65678398459 |
| 4 | 4 | Advantest Corp | advantest@gmail.com | +81 345689890 |
| 5 | 5 | Elentec co., Ltd. | elentec@gmail.com | +91 7646547738 |
| 6 | 6 | Hitachi Ltd. | hitachi@gmail.com | +1 56677389292 |
| 7 | 7 | Faxconn,India | faxconn@2gmail.com | +919963816262 |
|-----|

Choose an option and press enter: 7
Do you want to delete FAXCONN,INDIA [India @ +919963816262] [Yes/No]: y
Data successfully Saved/Updated
```

After the data is deleted from the system, the supplier table shall be updated. The screenshot is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 21:47:55 *
*****

Suppliers List Options:

|-----|
| S.NO | ID | NAME | EMAIL | PHONE NUMBER |
|-----|
| 1 | 1 | AGC Incorporated | agc@gmail.com | +81 568834892 |
| 2 | 2 | 3M Company | company@gmail.com | +1 545679965445 |
| 3 | 3 | Flex Limited | flex@gmail.com | +1 65678398459 |
| 4 | 4 | Advantest Corp | advantest@gmail.com | +81 345689890 |
| 5 | 5 | Elentec co., Ltd. | elentec@gmail.com | +91 7646547738 |
| 6 | 6 | Hitachi Ltd. | hitachi@gmail.com | +1 56677389292 |
|-----|
```

#### 2.1.1.3.5 Search

When the admin enters option# 5,he shall have the option to search for a particular supplier from the system. You shall search for the supplier by its name or ID. The screenshot of this is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 21-09-2022 21:53:55 *
*****

Search Supplier Options:
Enter Search keyword: 1

|-----|
| S.NO | ID | NAME | EMAIL | PHONE NUMBER |
|-----|
| 1 | 1 | AGC Incorporated | agc@gmail.com | +81 568834892 |
|-----|
```

#### 2.1.1.4 Order

When Admin enter option#4, he shall have all the order menu options. He shall list all the order, start it, and also he shall see the pending orders. He shall also search for a particular order. The order menu options shall be shown below:

- ❖ List
- ❖ Create
- ❖ Delete
- ❖ Waiting
- ❖ Pending
- ❖ Search

The Screenshot is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI *
* ROLE: ADMIN *
* COUNTER NO: 0001 *
* DATE: 22-09-2022 11:53:21 *
*****

```

Order Options:

```

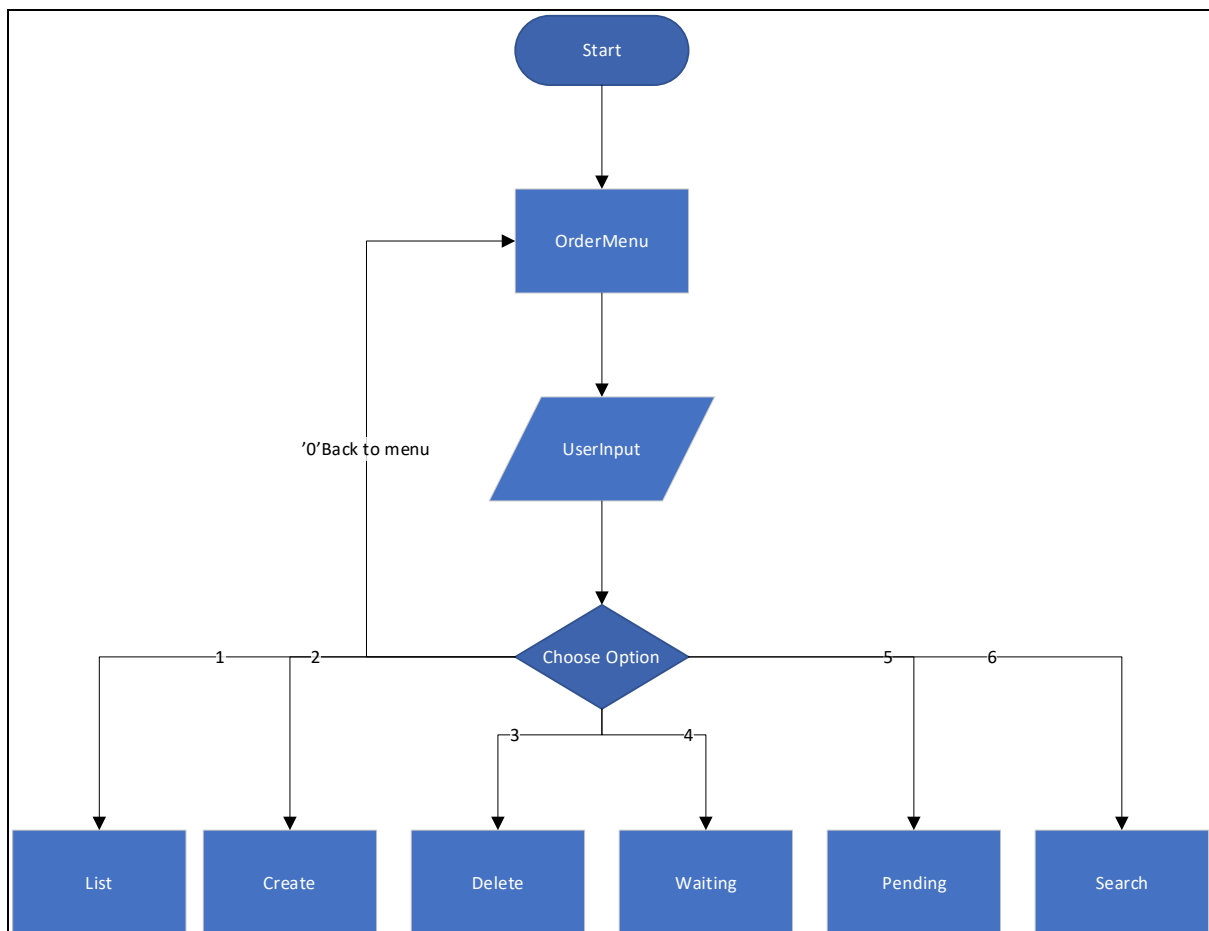
[1] List
[2] Create
[3] Delete
[4] Waiting
[5] Pending
[6] Search
[0] Back

```

Choose an option and press enter:

### Flow Chart:

The flow chart of the following shall be shown below:



#### 2.1.1.4.1 List

When admin enters option#1, he shall have all the list of orders. He shall see all the orders created by both "Cashier" "Manager" and himself. He shall also see all the details of the order. The screenshot is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI *
* ROLE: ADMIN *
* COUNTER NO: 0001 *
* DATE: 22-09-2022 12:05:29 *
*****

List of Orders Options:
-----|-----|-----|-----|-----|-----|-----|-----|
| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT|
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 1 | Rishitha ravi | OnePlus 10 Pro. | 20.0 | PENDING | AGC Incorporated | 300000.0|
| 2 | 2 | Jeshitha Ravi | Samsung Galaxy Z Fli| 20.0 | PENDING | 3M Company | 400000.0|
| 3 | 3 | Karthikeya ravi | Samsung Galaxy Z Fli| 20.0 | PENDING | 3M Company | 400000.0|
|-----|-----|-----|-----|-----|-----|-----|-----|

Do you want see the details [Yes/No]:y
Choose an option and press enter: 2
-----|-----|-----|-----|-----|
| S.NO| ID | UPDATE BY | UPDATED ON | STATUS|
|-----|-----|-----|-----|-----|
| 1 | 2 | Jeshitha Ravi | 21-09-2022 22:20:48 | PENDING|
|-----|-----|-----|-----|-----|

```

#### 2.1.1.4.2 Create

When admi enters option#2 ,he shall have an option to create an order.

**NOTE: An Order can be created only when the inventory is out of stock. The quantity should be reached to minimum.**

The screenshot is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI *
* ROLE: ADMIN *
* COUNTER NO: 0001 *
* DATE: 22-09-2022 12:06:43 *
*****

Create Order Options:
-----|-----|-----|-----|-----|-----|-----|-----|
| S.NO | ID | NAME | SHORT NAME | PRICE| AVAIL QTY| MIN QTY| ORDERED QTY|
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 4 | Samsung Galaxy Z Flip 4 5| Galaxy flip | 29000.0| 1.0| 1| 0.0|
|-----|-----|-----|-----|-----|-----|-----|-----|

Choose an option and press enter: 1
Do you want to create SAMSUNG GALAXY Z FLIP 4 5G[GALAXY FLIP] [Yes/No]: y
Enter Order Quantity: 10
Data successfully Saved/Updated

```

#### 2.1.1.4.3 Delete

When Admin enters option#3, he shall have an option to delete an order. He shall have all the list of orders and he shall select an option to delete a particular order. The screenshot is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI *
* ROLE: ADMIN *
* COUNTER NO: 0001 *
* DATE: 22-09-2022 12:10:33 *
*****

Delete Order Options:
-----|-----|-----|-----|-----|-----|-----|-----|
| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT|
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 1 | Rishitha ravi | OnePlus 10 Pro. | 20.0 | PENDING | AGC Incorporated | 300000.0|
| 2 | 2 | Jeshitha Ravi | Samsung Galaxy Z Fli| 20.0 | PENDING | 3M Company | 400000.0|
| 3 | 3 | Karthikeya ravi | Samsung Galaxy Z Fli| 20.0 | PENDING | 3M Company | 400000.0|
| 4 | 4 | Karthikeya ravi | Samsung Galaxy Z Fli| 10.0 | PENDING | 3M Company | 200000.0|
|-----|-----|-----|-----|-----|-----|-----|-----|

Choose an option and press enter: 4
Do you want to delete Order [id=4, Status=PENDING] [Yes/No]: y
Data successfully Saved/Updated

```

After the order is deleted, it is updated in the list of orders. The screenshot is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 22-09-2022 12:16:15 *
*****

List of Orders Options:
-----|-----|-----|-----|-----|-----|-----|-----|
| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT |
-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 1 | Rishitha ravi | OnePlus 10 Pro. | 20.0 | PENDING | AGC Incorporated | 300000.0 |
| 2 | 2 | Jeshitha Ravi | Samsung Galaxy Z Fli| 20.0 | PENDING | 3M Company | 400000.0 |
| 3 | 3 | Karthikeya ravi | Samsung Galaxy Z Fli| 20.0 | PENDING | 3M Company | 400000.0 |
-----|-----|-----|-----|-----|-----|-----|-----|

Do you want see the details [Yes/No]:
```

#### 2.1.1.4.4 Waiting

When Admin enters option#4, he shall have an option to see the waiting orders. The admin shall approve the pending orders. When the pending order is approved, it goes to the status of waiting.

**NOTE: Only Admin and Manager have the option to approve the orders.**

The screenshot is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 22-09-2022 12:18:41 *
*****

Waiting Order Options:
-----|-----|-----|-----|-----|-----|-----|-----|
| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT |
-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 1 | Rishitha ravi | OnePlus 10 Pro. | 20.0 | WAITING | AGC Incorporated | 300000.0 |
-----|-----|-----|-----|-----|-----|-----|-----|
```

#### 2.1.1.4.5 Pending

When Admin enters option#5, he shall have an option to see the pending orders. The admin shall approve the pending orders.

**NOTE:**

- ❖ Only ADMIN and MANAGER have the option to approve the orders.
- ❖ Pending Orders is shown only when the order is Created and waiting for approval [ADMIN, MANAGER]
- ❖ Pending Orders are shown only to Admin and Manager

The screenshot is shown:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 22-09-2022 12:30:41 *
*****

Pending Order Options:
-----|-----|-----|-----|-----|-----|-----|-----|
| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT |
-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 3 | Karthikeya ravi | Samsung Galaxy Z Fli| 20.0 | PENDING | 3M Company | 400000.0 |
-----|-----|-----|-----|-----|-----|-----|-----|

Choose an option and press enter:
```

The Admin shall review the pending order and then the order shall be delivered. The status of the order shall be changed to delivered .The screenshot is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 22-09-2022 12:30:41 *
*****

Pending Order Options:
-----|
| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT|
-----|
| 1 | 3 | Karthikeya ravi | Samsung Galaxy Z Fli| 20.0 | PENDING | 3M Company | 400000.0|
-----|

Choose an option and press enter: 1
-----|
| HELLO, KARTHIKEYA RAVI ! REVIEW THE ORDER. |
-----|
| S.NO| ID | CREATED BY | PRODUCT NAME | MIN QTY | ORDERED QTY | AVAIL QTY|
-----|
| 1 | 3 | Karthikeya ravi | Samsung Galaxy Z Flip 4 5| 1 | 20.0 | 1.0|
-----|

Do you want to approve [Yes/No]: y
Data successfully Saved/Updated

```

After the order is approved, the status of the order changes to delivered. The screenshot is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 22-09-2022 12:35:00 *
*****

List of Orders Options:
-----|
| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT|
-----|
| 1 | 1 | Rishitha ravi | OnePlus 10 Pro. | 20.0 | DELIVERED | AGC Incorporated | 300000.0|
| 2 | 3 | Karthikeya ravi | Samsung Galaxy Z Fli| 20.0 | DELIVERED | 3M Company | 400000.0|
| 3 | 2 | Jeshitha Ravi | Samsung Galaxy Z Fli| 20.0 | DELIVERED | 3M Company | 400000.0|
-----|

Do you want see the details [Yes/No]:y
Choose an option and press enter: 2
-----|
| S.NO| ID | UPDATE BY | UPDATED ON | STATUS|
-----|
| 1 | 3 | Karthikeya ravi | 22-09-2022 12:05:23 | DELIVERED|
| 2 | 8 | Karthikeya ravi | 22-09-2022 12:31:39 | DELIVERED|
| 3 | 9 | Karthikeya ravi | 22-09-2022 12:34:37 | DELIVERED|
-----|

```

#### 2.1.1.4.6 Search

When the Admin enters option#6,he shall have the option to search for a particular order and see its details. The screenshot of this is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 22-09-2022 12:42:51 *
*****

Search Order Options:
Enter Search keyword: 2

| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 2 | Jeshitha Ravi | Samsung Galaxy Z Fli| 20.0 | DELIVERED | 3M Company | 400000.0 |
|-----|-----|-----|-----|-----|-----|-----|-----|

Do you want see the details [Yes/No]:3
Do you want see the details [Yes/No]:y
Choose an option and press enter: 4
Invalid option
Choose an option and press enter: 2
Invalid option
Choose an option and press enter: 1

| S.NO| ID | UPDATE BY | UPDATED ON | STATUS |
|-----|-----|-----|-----|-----|
| 1 | 2 | Jeshitha Ravi | 21-09-2022 22:20:48 | DELIVERED |
| 2 | 7 | Karthikeya ravi | 22-09-2022 12:28:25 | DELIVERED |
| 3 | 10 | Karthikeya ravi | 22-09-2022 12:34:50 | DELIVERED |
|-----|-----|-----|-----|-----|
```

Here, if the admin enters an option out of limit, he is shown an error message.

#### 2.1.1.5 Settings

When User(Admin, Manager ,Cashier) enters to settings option, he shall have an option to edit or delete his profile and also his password. The Setting options list is shown below:

- ❖ Edit Profile
- ❖ Change password
- ❖ Delete profile

The screenshot is shown below:

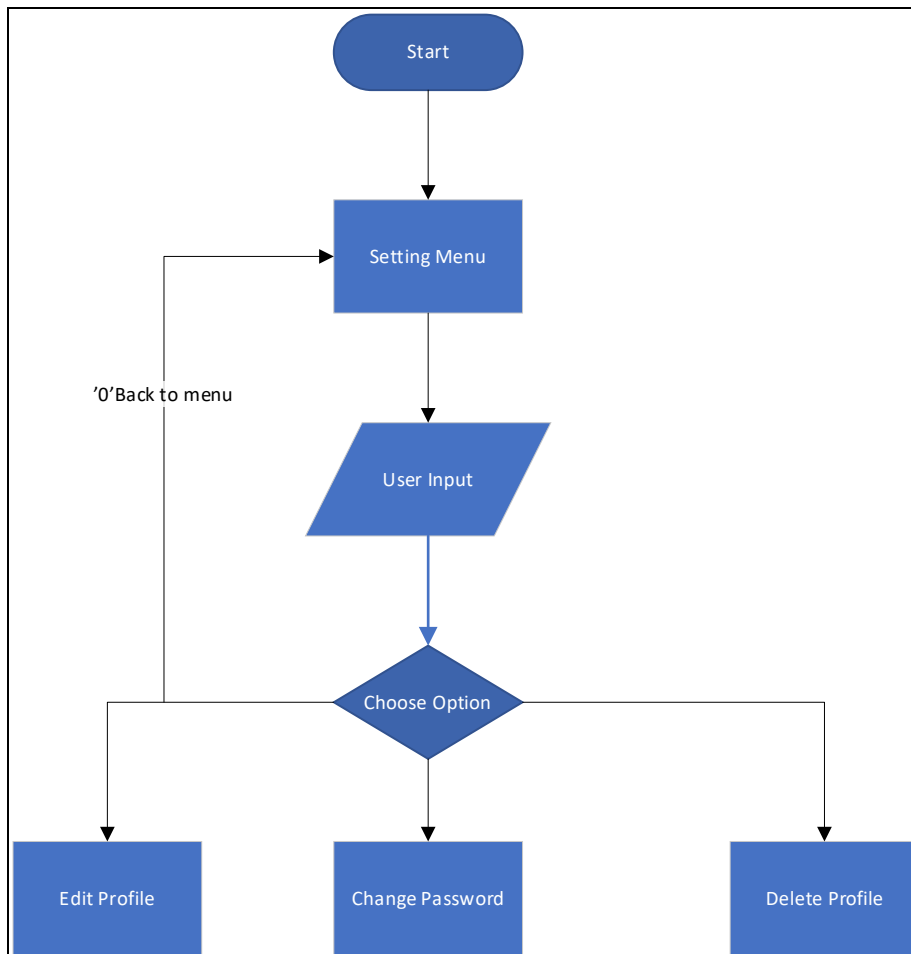
```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI COUNTER NO: 0001 *
* ROLE: ADMIN DATE: 22-09-2022 12:51:38 *
*****

Settings Menu Options:
[1] Edit Profile
[2] Change Password
[3] Delete Profile
[0] Back
Choose an option and press enter:
```

#### Flow Chart:

The flow chart of the following shall be shown below:





#### 2.1.1.5.1 Edit Profile

When the user enters option#1, he shall have an option to edit profile. He shall edit his username and password. The screenshot of this is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA RAVI *
* ROLE: ADMIN *
* COUNTER NO: 0001 *
* DATE: 22-09-2022 13:04:16 *
*****

Edit Profile Options:
Enter User name: rishi
Enter Password:
Data saved successfully !

[C] Continue
[Q] Quit
Options:
  
```

#### 2.1.1.5.2 Change Password

When user enter option#2, he shall have an option to change password. The screenshot is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: KARTHIKEYA *
* ROLE: ADMIN *
* COUNTER NO: 0001 *
* DATE: 22-09-2022 13:11:20 *
*****

Change Password Options:
Enter Password:
Data saved successfully !

```

#### 2.1.1.5.3 Delete Profile

When user enters option#3, he shall have an option to delete his profile. The users profile shall be deleted from the system. The screenshot is shown below.

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: JOHN *
* ROLE: ADMIN *
* COUNTER NO: 0001 *
* DATE: 22-09-2022 13:19:30 *
*****

Delete User Options:
Do you want to delete the current user [Yes/No]: y
Data saved successfully !

[C] Continue
[Q] Quit
Options:

```

#### 2.1.2 Manager

When the user selects his role after logging into the system. If he is Manager, he shall have all the options of a Manager. The Manger menu is shown below:

```

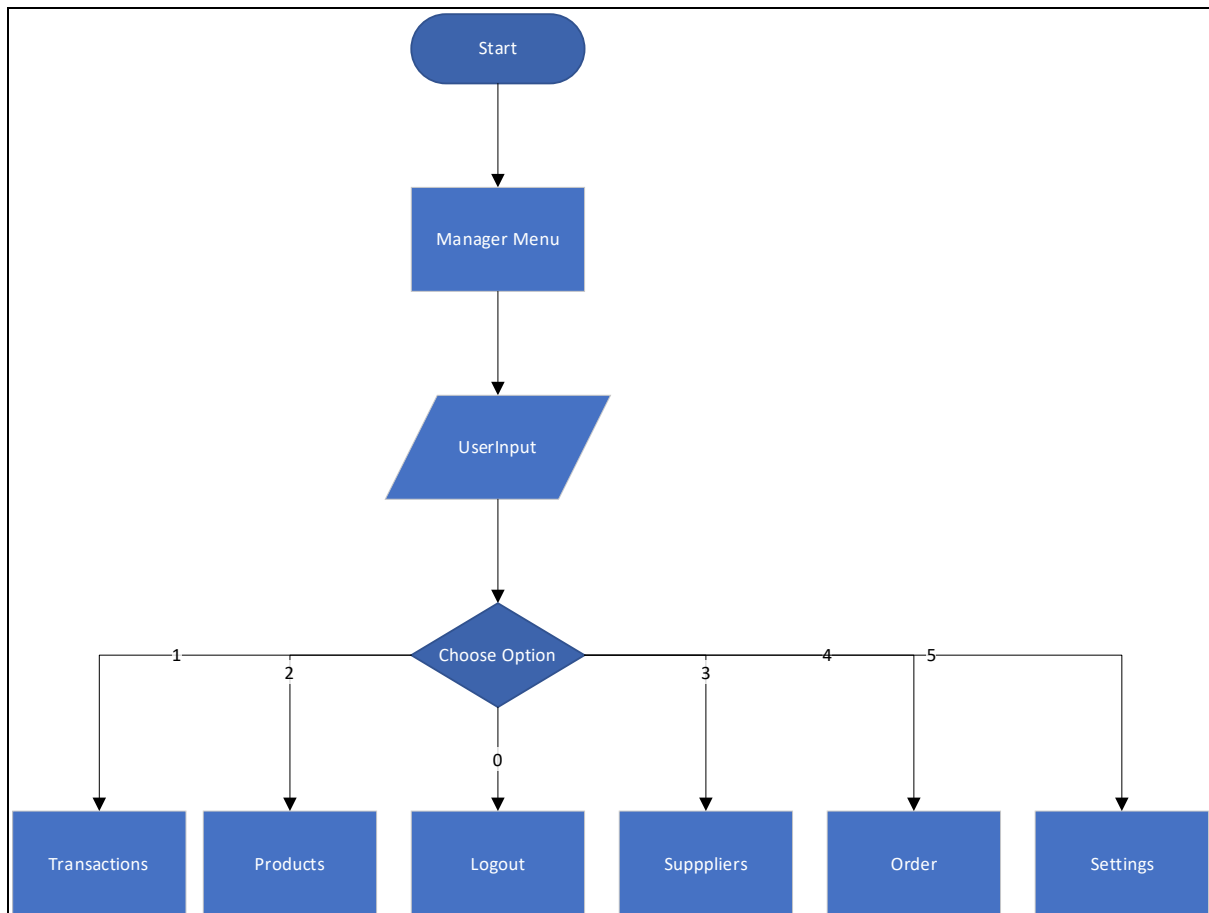
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: RISHITHA RAVI *
* ROLE: MANAGER *
* COUNTER NO: 0001 *
* DATE: 22-09-2022 13:22:47 *
*****

Manager Menu options:
[1] Transaction
[2] Products
[3] Suppliers
[4] Order
[5] Settings
[0] Logout
Choose an option and press enter:

```

#### Flow Chart:

The flow chart of the following shall be shown below:



**NOTE: The MANAGER has all the options of Transaction, Products, Suppliers, Order, Settings that same as an Admin.**

### 2.1.3 Cashier

When the user selects his role after logging into the system. If he is Cashier, then he shall have all the options of a Cashier. The Cashier menu is shown below:

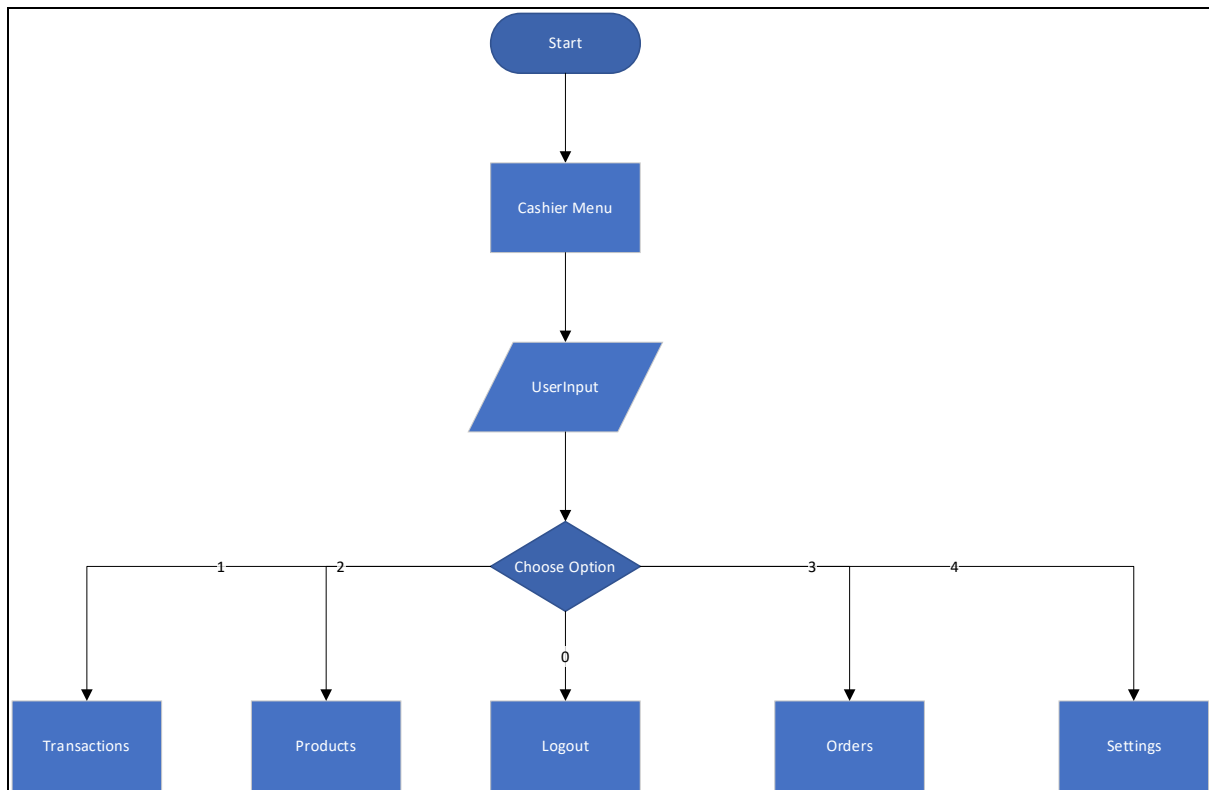
```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: JESHITHA RAVI *
* ROLE: CASHIER *
* COUNTER NO: 0001 *
* DATE: 22-09-2022 13:26:51 *
*****

Cashier Menu Options:
[1] Transactions
[2] Products
[3] Orders
[4] Settings
[0] Logout
Choose an option and press enter:
  
```

### Flow Chart:

The flow chart of the following shall be shown below:



**Note: The Cashier has same options as Admin and Manager. But, when coming to orders, the cashier can see his pending orders, received and list of orders only when the order is created by himself.**

#### 2.1.3.1 Orders

When the Cashier enters option#3, he shall see all the options of the orders. The option menu is shown below:

- ❖ List
- ❖ Create
- ❖ Delete
- ❖ Waiting
- ❖ Pending
- ❖ Search

The screenshot is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: JESHITHA RAVI *
* ROLE: CASHIER *
* COUNTER NO: 0001 *
* DATE: 22-09-2022 15:58:36 *
*****

Order Options:
[1] List
[2] Create
[3] Delete
[4] Waiting
[5] Pending
[6] Search
[0] Back
Choose an option and press enter:

```

#### 2.1.3.1.1 List

When the Cashier enters option#1 in orders, he shall have list of all the orders he created .

**He shall not see the orders created by Manager and Admin.**

The screenshot is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: JESHITHA RAVI *
* ROLE: CASHIER *
* COUNTER NO: 0001 *
* DATE: 22-09-2022 16:05:15 *
*****

List of Orders Options:

```

S.NO	ID	CREATED BY	PRODUCT NAME	QUANTITY	STATUS	SUPPLIER	AMOUNT
1	2	Jeshitha Ravi	Samsung Galaxy Z Fli	20.0	DELIVERED	3M Company	400000.0

#### 2.1.3.1.2 Create

When the Cashier enters option#2 in orders, he shall create an order.

**Note: Cashier can only create order when the product is out of stock.**

If the product is not out of stock, he cant create an order. The screenshot is shown below:

```

*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: JESHITHA RAVI *
* ROLE: CASHIER *
* COUNTER NO: 0001 *
* DATE: 22-09-2022 16:51:01 *
*****

Create Order Options:

```

S.NO	ID	NAME	SHORT NAME	PRICE	AVAIL QTY	MIN QTY	ORDERED QTY
1	1	Apple iPhone 13 Pro Max	iphone Pro	40000.0	-18.0	1	0.0

```

Choose an option and press enter: 1
Do you want to create APPLE IPHONE 13 PRO MAX[IPHONE PRO] [Yes/No]: y
Enter Order Quantity: 10
Data successfully Saved/Updated

```

#### 2.1.3.1.3 Delete

When the Cashier enters option #3,,he shall delete an order that is created by him only. The screenshot is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: JESHITHA RAVI COUNTER NO: 0001 *
* ROLE: CASHIER DATE: 22-09-2022 16:48:52 *
*****

Delete Order Options:
-----
| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT |
-----
| 1 | 2 | Jeshitha Ravi | Samsung Galaxy Z Fli| 20.0 | DELIVERED | 3M Company | 400000.0 |
-----

Choose an option and press enter: 1
Do you want to delete Order [id=2, Status=DELIVERED] [Yes/No]: y
Data successfully Saved/Updated
```

#### 2.1.3.1.4 Waiting

When cashier enters option #4,he shall see all his waiting orders. An order shall be in waiting position, if it is reviewed by Manager and Admin .the screenshot is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: JESHITHA RAVI COUNTER NO: 0001 *
* ROLE: CASHIER DATE: 22-09-2022 16:58:06 *
*****

Waiting Order Options:
-----
| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT |
-----
| 1 | 5 | Jeshitha Ravi | Apple iPhone 13 Pro | 10.0 | WAITING | 3M Company | 350000.0 |
-----
```

#### 2.1.3.1.5 Pending

When cashier enters option #5 ,he shall see all his pending orders. An order shall be delivered only when if it is reviewed by Manager and Admin .The screenshot is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: JESHITHA RAVI COUNTER NO: 0001 *
* ROLE: CASHIER DATE: 22-09-2022 16:54:05 *
*****

Pending Order Options:
-----
| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT |
-----
| 1 | 5 | Jeshitha Ravi | Apple iPhone 13 Pro | 10.0 | PENDING | 3M Company | 350000.0 |
-----
```

After the order has been reviewed by Manager or Admin, the status changes to delivered .The screenshot is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: JESHITHA RAVI COUNTER NO: 0001 *
* ROLE: CASHIER DATE: 22-09-2022 16:59:27 *
*****

List of Orders Options:
-----
| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT |
-----
| 1 | 5 | Jeshitha Ravi | Apple iPhone 13 Pro | 10.0 | DELIVERED | 3M Company | 350000.0 |
-----
```

#### 2.1.3.1.6 Search

When the Cashier enters option #6, he shall search for an order, he shall enter id of an order. The screenshot of this is shown below:

```
*****
* WELCOME TO MINET WAREHOUSE MANAGEMENT SYSTEM *
* NAME: JESHITHA RAVI *
* ROLE: CASHIER *
* DATE: 22-09-2022 17:06:13 *
*****

Search Order Options:
Enter Search keyword: 6

-----|
| S.NO| ID | CREATED BY | PRODUCT NAME | QUANTITY| STATUS | SUPPLIER | AMOUNT|
-----|
| 1 | 6 | Jeshitha Ravi | Apple iPhone 13 Pro | 20.0 | PENDING | 3M Company | 700000.0|
-----|

Do you want see the details [Yes/No]:y
Choose an option and press enter: 1

-----|
| S.NO| ID | UPDATE BY | UPDATED ON | STATUS|
-----|
| 1 | 14 | Jeshitha Ravi | 22-09-2022 17:05:10 | PENDING|
-----|
```

## 3. Implementation and Design

### 3.1 Technologies

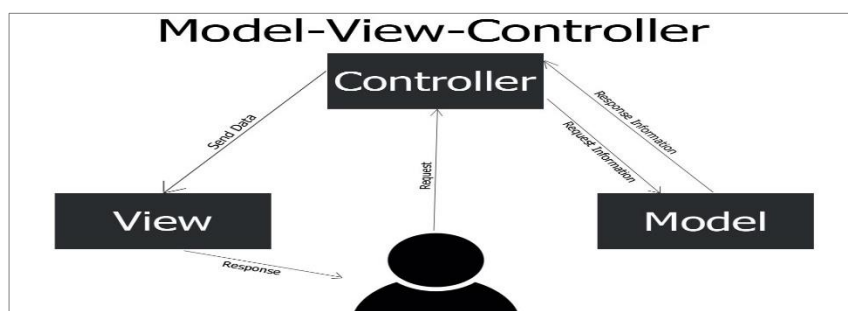
The following technologies are used in designing and developing the ATM application.

- ❖ Java – Coding language for implementing the ATM application
- ❖ Eclipse - IDE Purpose
- ❖ Microsoft Visio - UML Diagram tool
- ❖ Microsoft word – Document preparation

### 3.2 Design and Flow diagram

#### 3.1.1 Architecture and design

Simple MVC architecture shall be followed in designing the MINET application, see below.



The Model contains only the pure application data, it contains no logic describing how to present the data to a user.

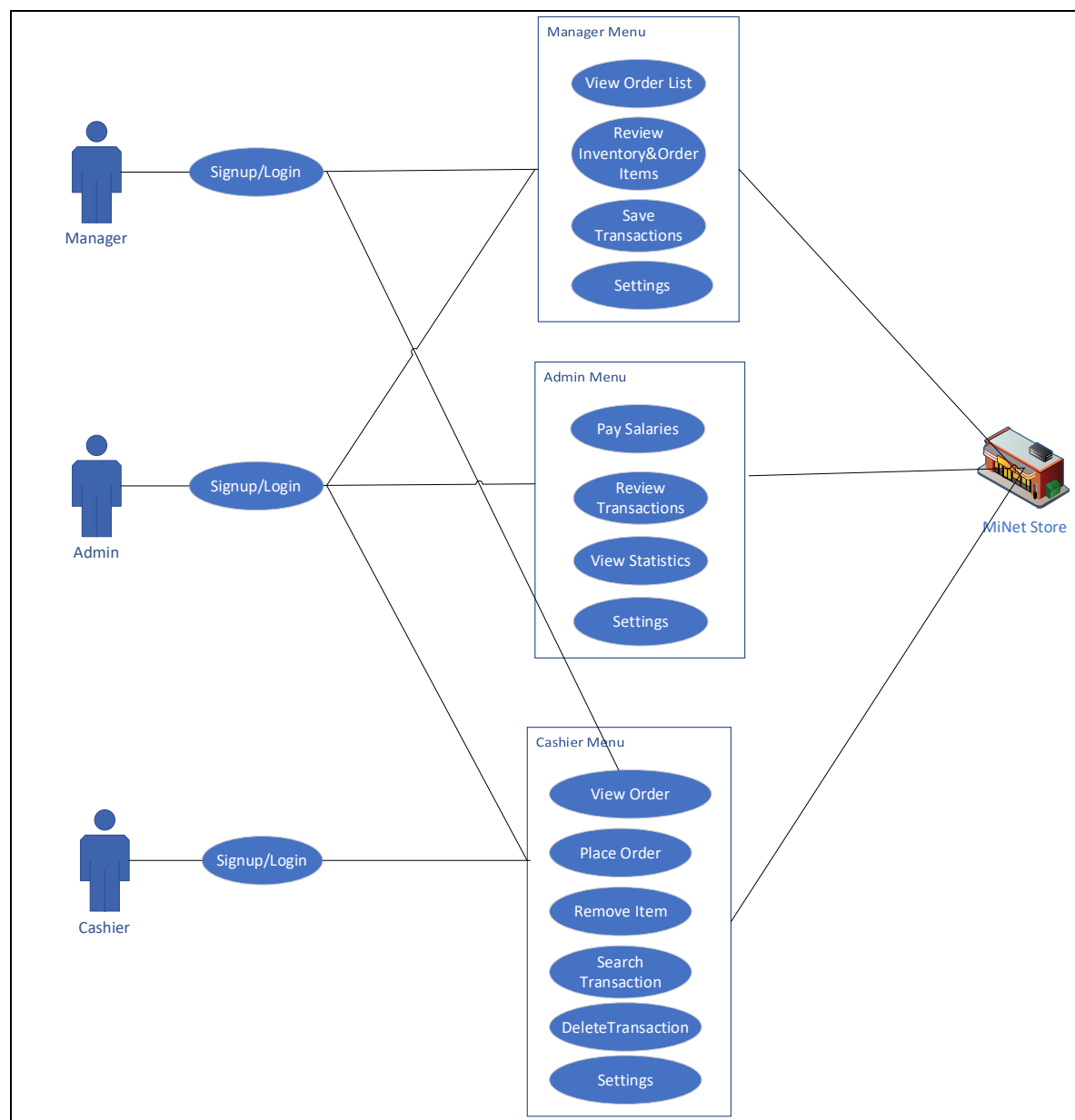
The View presents the model's data to the user. The view knows how to access the model's data, but it does not know what this data means or what the user can do to manipulate it.

The Controller exists between the view and the model. It listens to events triggered by the view (or another external source) and executes the appropriate reaction to these events. In most cases, the reaction is to call a method on the model. Since the view and the model are connected through a notification mechanism, the result of this action is then automatically reflected in the view.

Next, the view module is mainly responsible for preparing the menus by using controller cache data based on the *User* choice.

### 3.2.1 Usecase diagram

A Use case diagram is a graphical depiction of a user's possible interactions with a system. Here, in this application there are three users. The below diagram shows the interaction of the user with the system.





### 3.2.2 Class Diagram

This section shall be explained about the relationship between different classes.

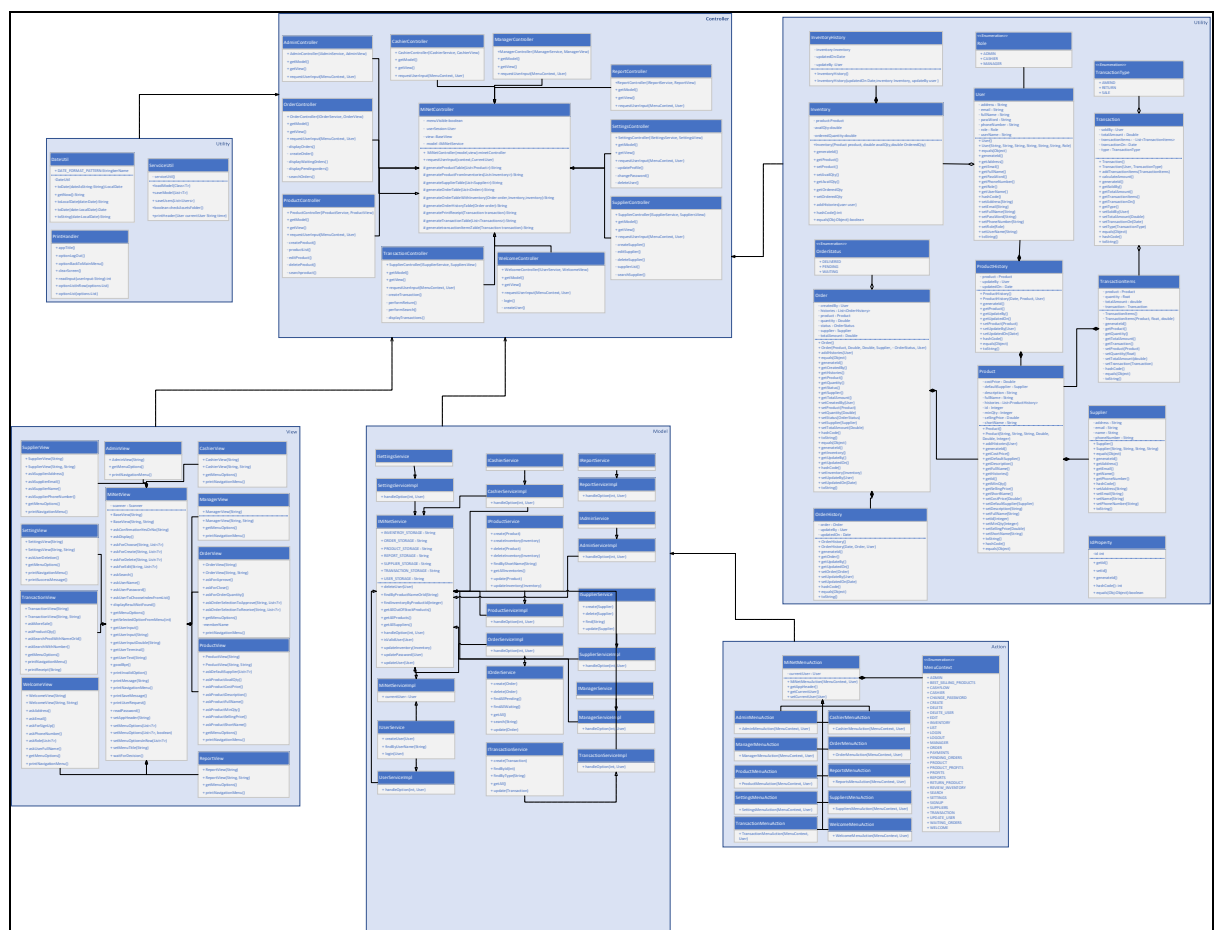
**Model:** All the model classes shall be followed java bean's structure and implemented Jackson API

**Controller:** Here there are eleven controllers in the application. These interact with the MiNet Controller and controls the application.

**View:** This application is responsible for building the user interface and displayed in the terminal/console based on the user inputs and performs the validation checks. We have eleven views.

- ❖ Meu Context enumeration shall be used for constants purpose and holds the menus title.
- ❖ Order Status enumeration shall be holding constant status of orders
- ❖ Role enumeration shall be holding 3 different roles in the application.
- ❖ Transaction Type enumeration shall be used to hold transaction types.

The class diagram of MiNet is shown below:



### 3.2.3 Entity Model diagram

The below picture explains about the module relationship between the models in the application. The Entity Model is shown below:

