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CSC -1100 : ELEMENTS OF PROGRAMMING

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SECTION : 01

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PROJECT : PHARMACY MANAGEMENT SYSTEM

[REPORT SUBMITTED BY]

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Introduction :

In this project we create a system which can make easier to both user and admin. User can make order, delete order, print the receipt and for admin he can also do the same task but he can do some. If user want to login then he must put valid user name and password. On the other hand if user login as customer then no need to use password , so in a word our system contain two section :

For manager section we have 5 task:

1. Can make order
2. Modify order
3. Delete order
4. Print receipt
5. Can see the daily summary

For customer section we have 3 task:

1. Can make order
2. Delete order
3. Print receipt

But both can change the user mood. Suppose if you login as customer then manager can login by go back but the customer data will not delete and at the same time manager can see daily summary which was ordered by both manager and customer.

In take order option :

1. There user need an unique receipt number so that after ordering the medicine he/she can see the receipt by using receipt number
2. User must put the name of customer who need the medicine

3. And then add the customer phone number
4. Then put the ordered date
5. After finishing this task the system will ask “How many type of medicine customer want to order.
6. Then user can choose the medicine from given table of medicine and add how many medicine they want
7. After completing this all task system will go to the main menu
8. And then user can print their receipt.

In modify option :

1. Frist you have to login as Manager
2. Then input the receipt number which one user want to modify
3. By using this user can modify everything such as name, contact number, date, order etc
4. Then record will modified.
5. One thing need to be mention that if user put wrong receipt number then the system will show the invalid message

In Delete option :

1. System ask the receipt number.
2. If , no record is stored then it will shows the message like “Nothing is select from empty entity.
3. If user put wrong input then it shows “ invalid input”.

In print option

1. User must have the receipt number
2. Then the system will show the receipt with all information
3. And also the total amount which need to pay
4. After complete the payment it will the main menu automatically.

In back to user mood option:

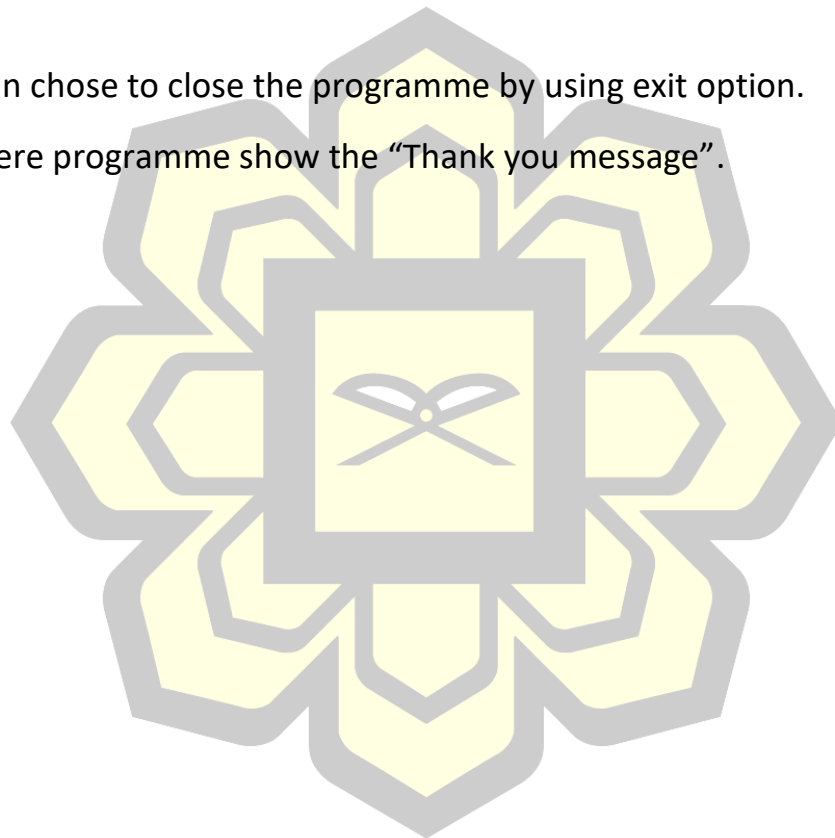
1. User can change the user mood

In Daily summary option:

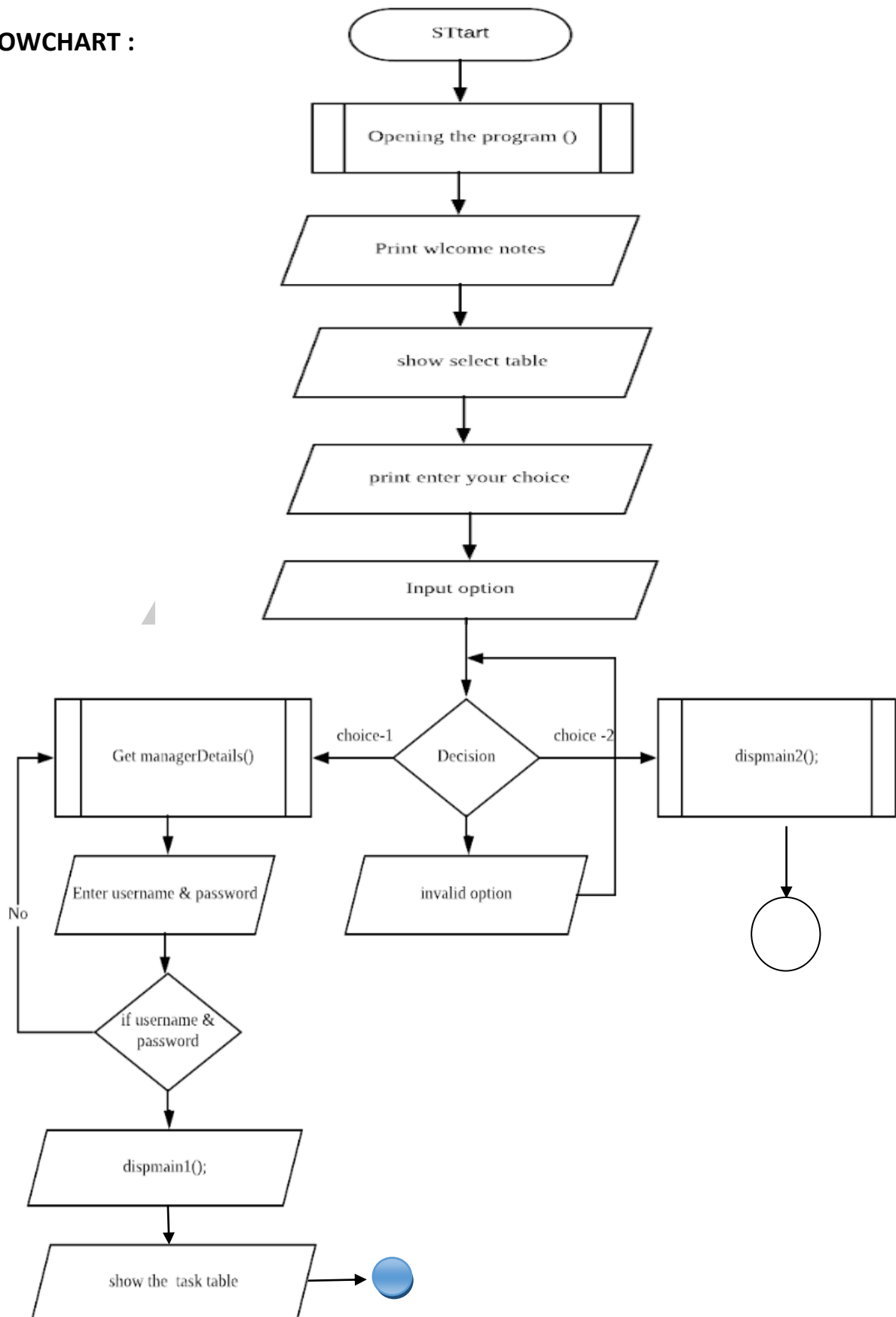
1. User need to login as manager
2. Then the system will show the daily summary.

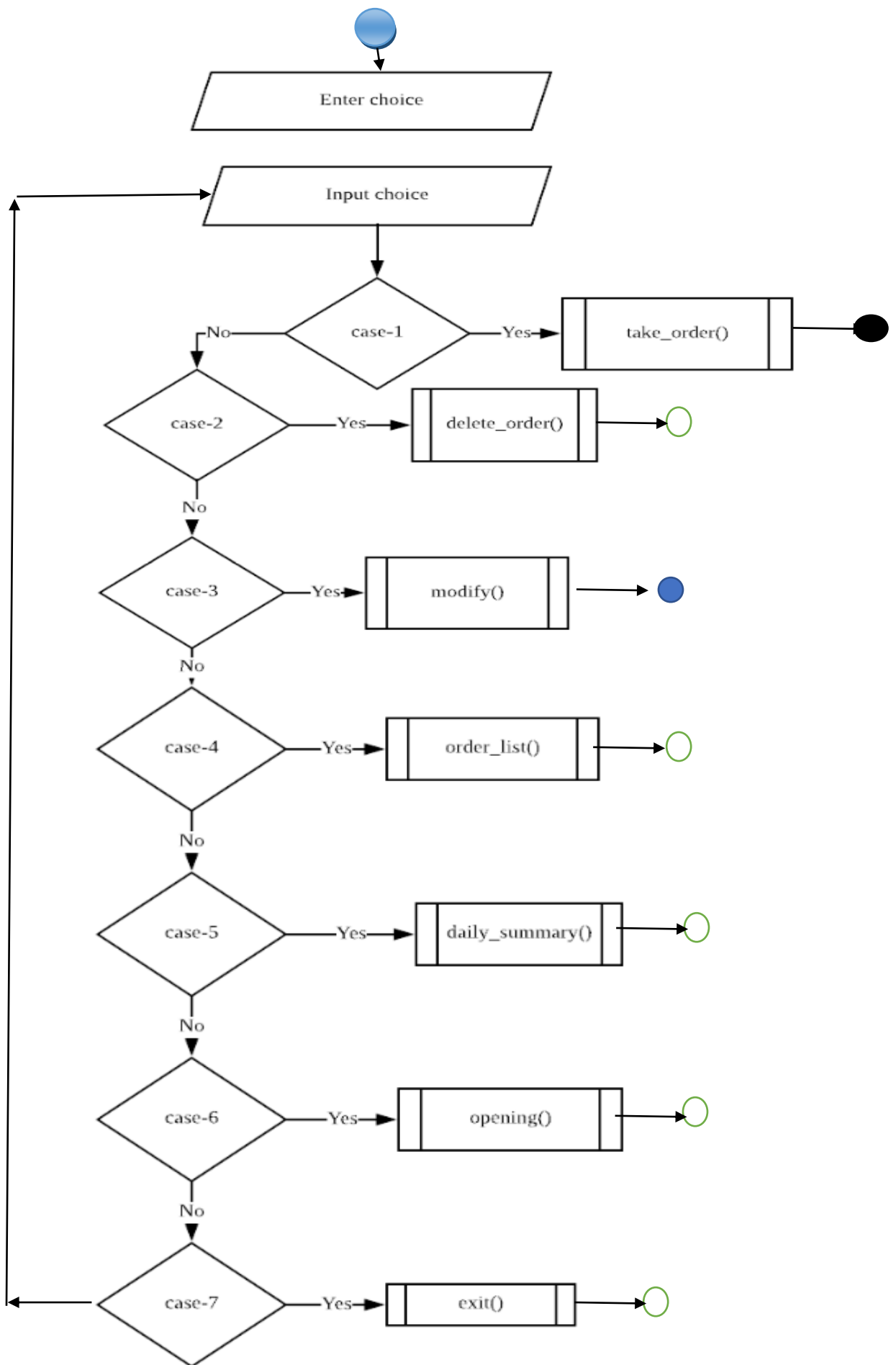
Exit option :

1. User can chose to close the programme by using exit option.
2. Then here programme show the “Thank you message”.

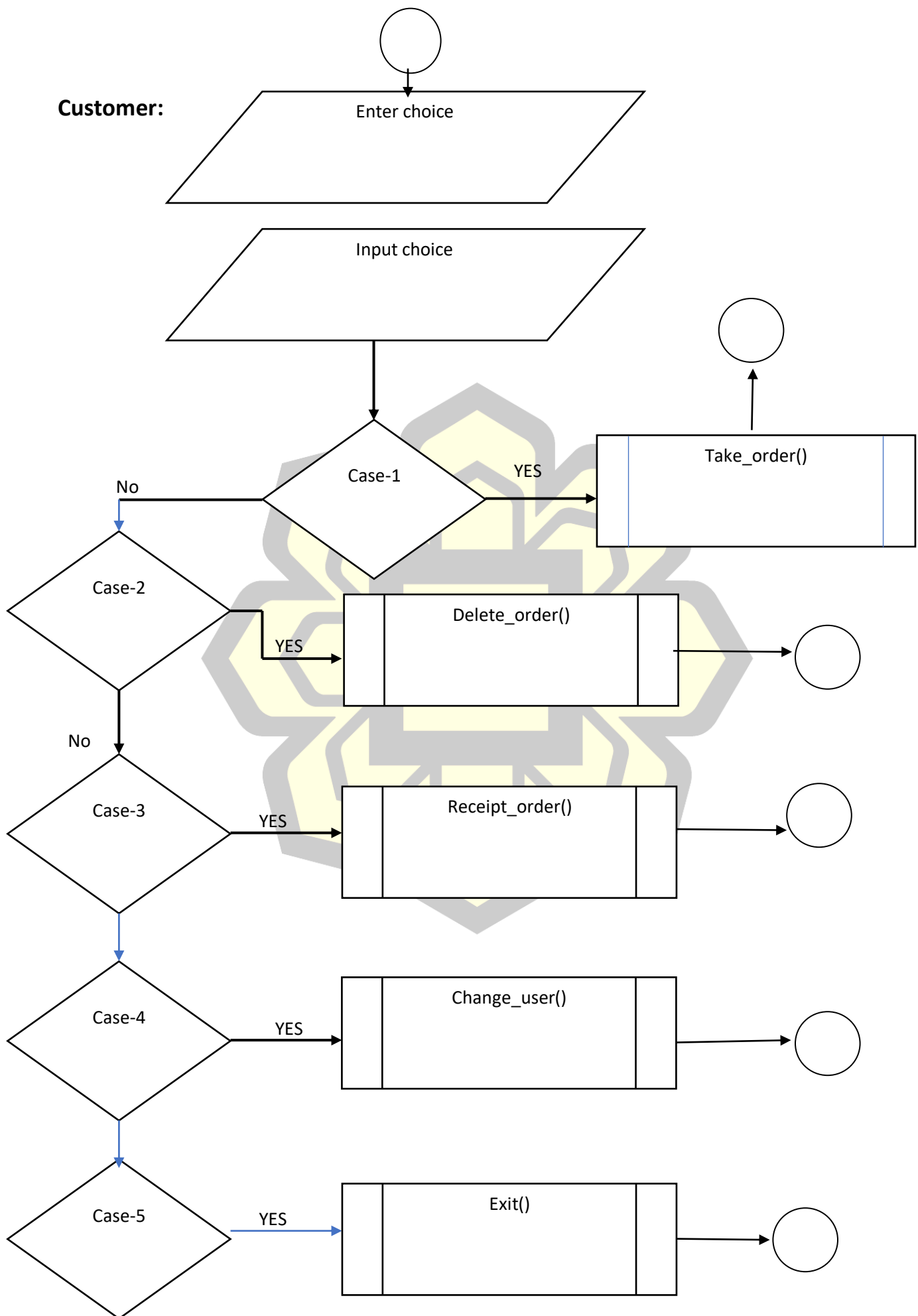


FOLOWCHART :

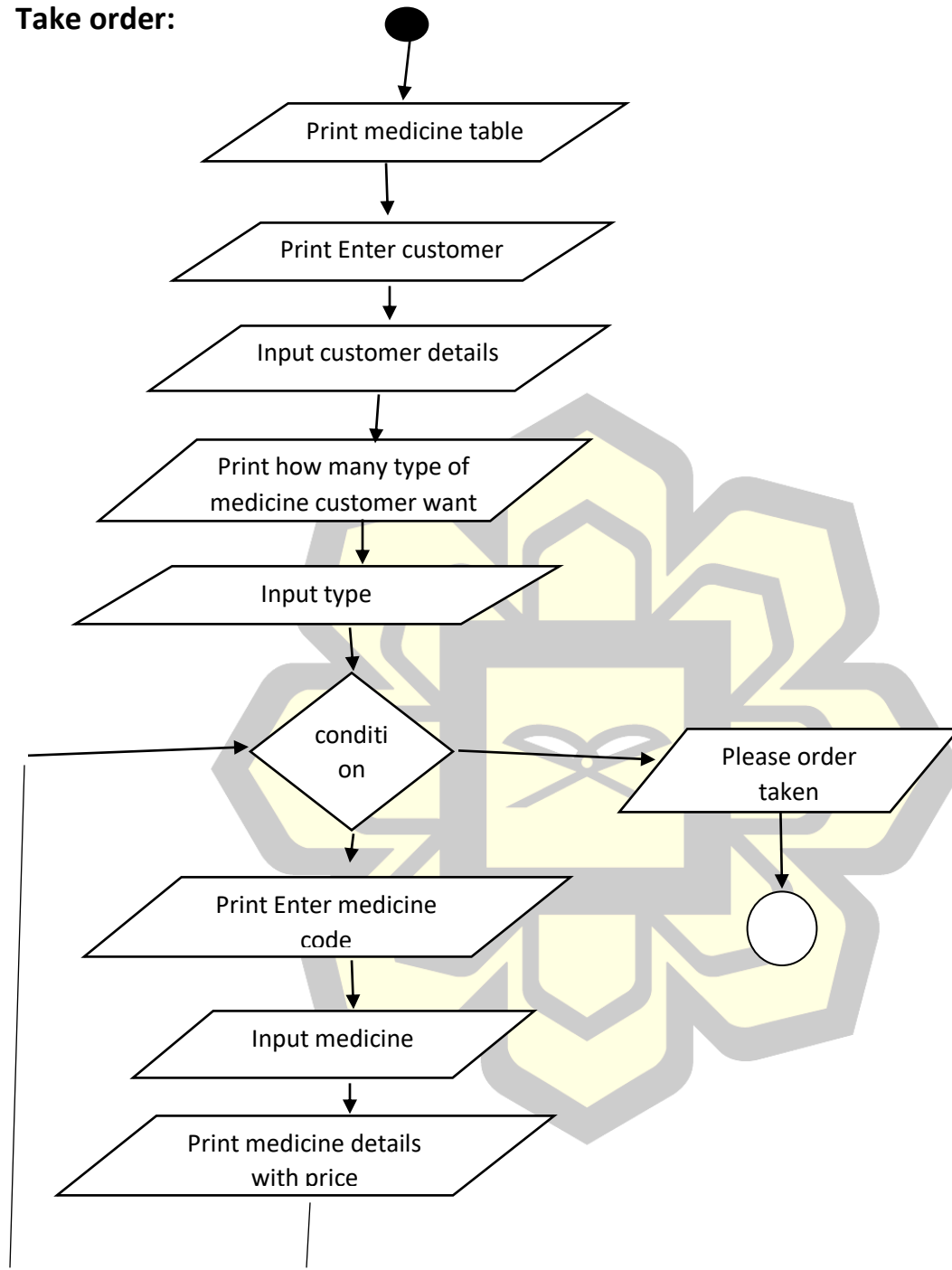




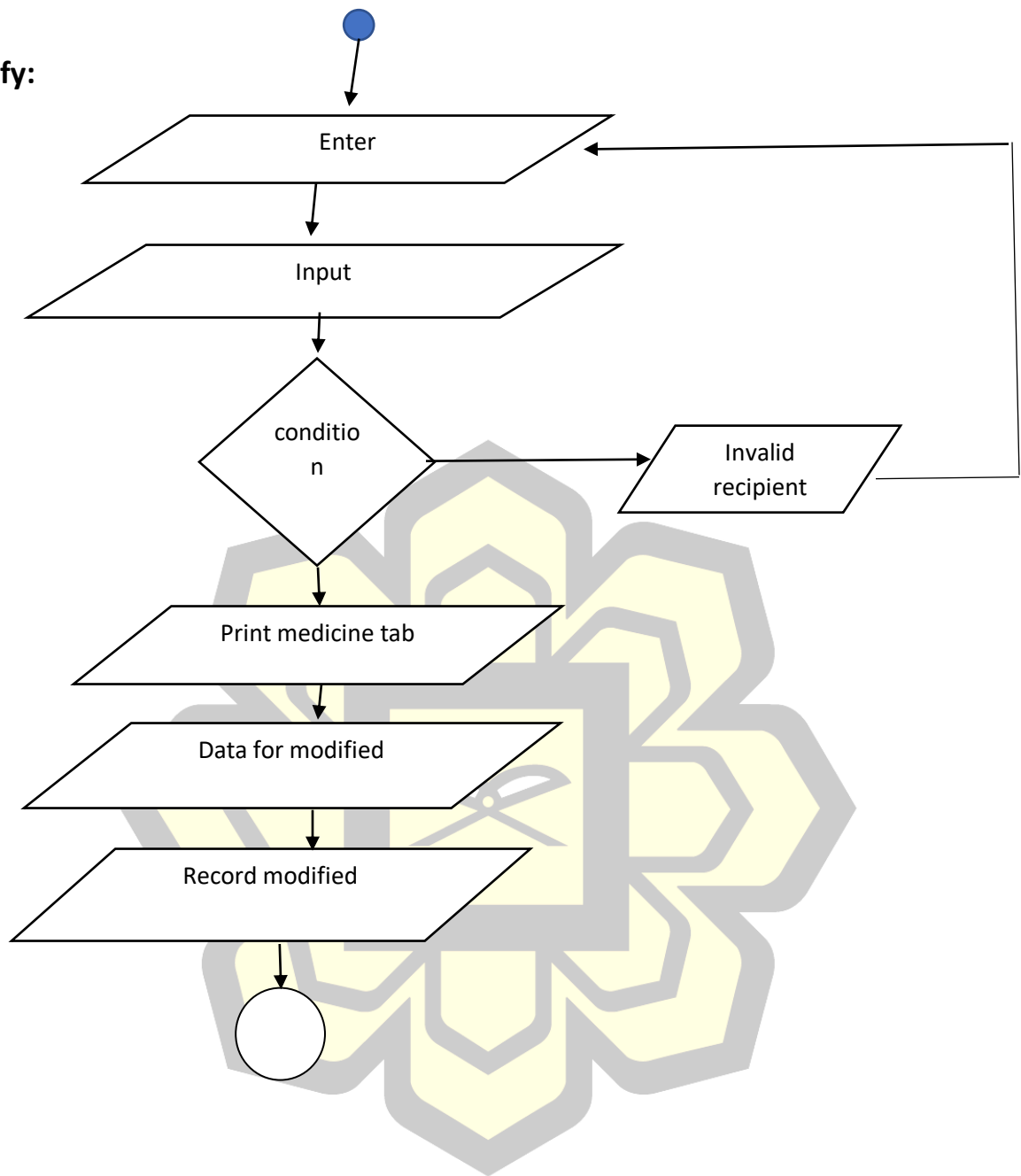
Customer:



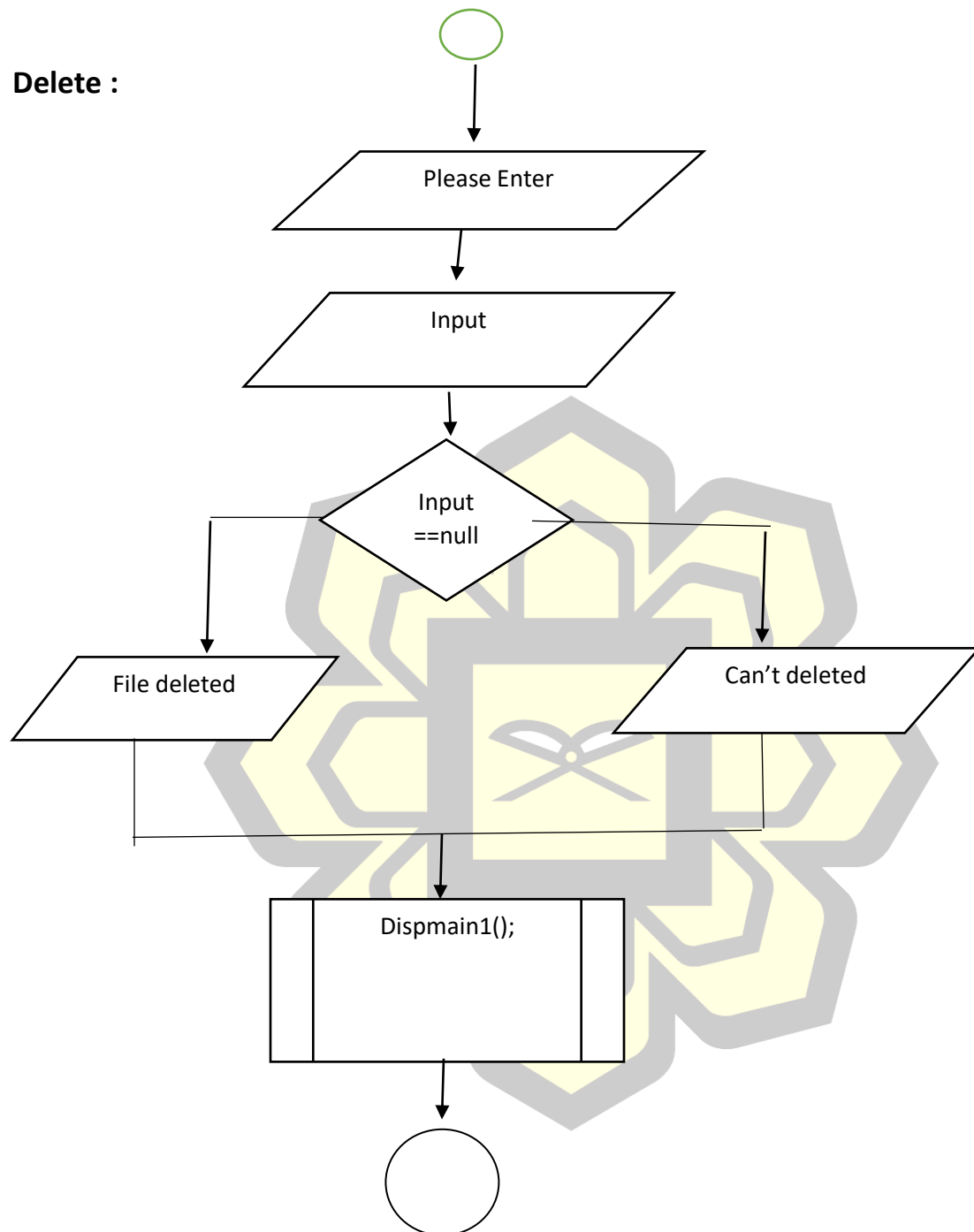
Take order:



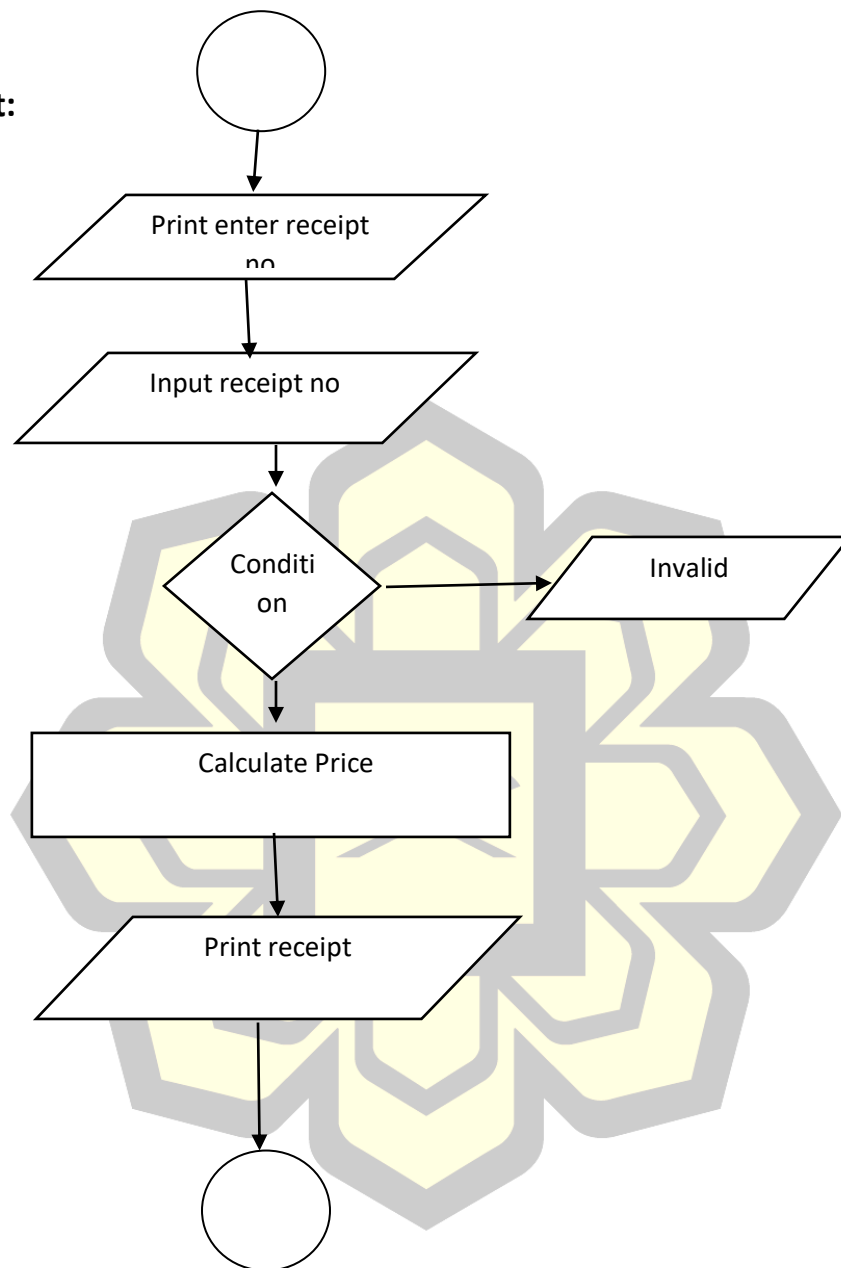
Modify:

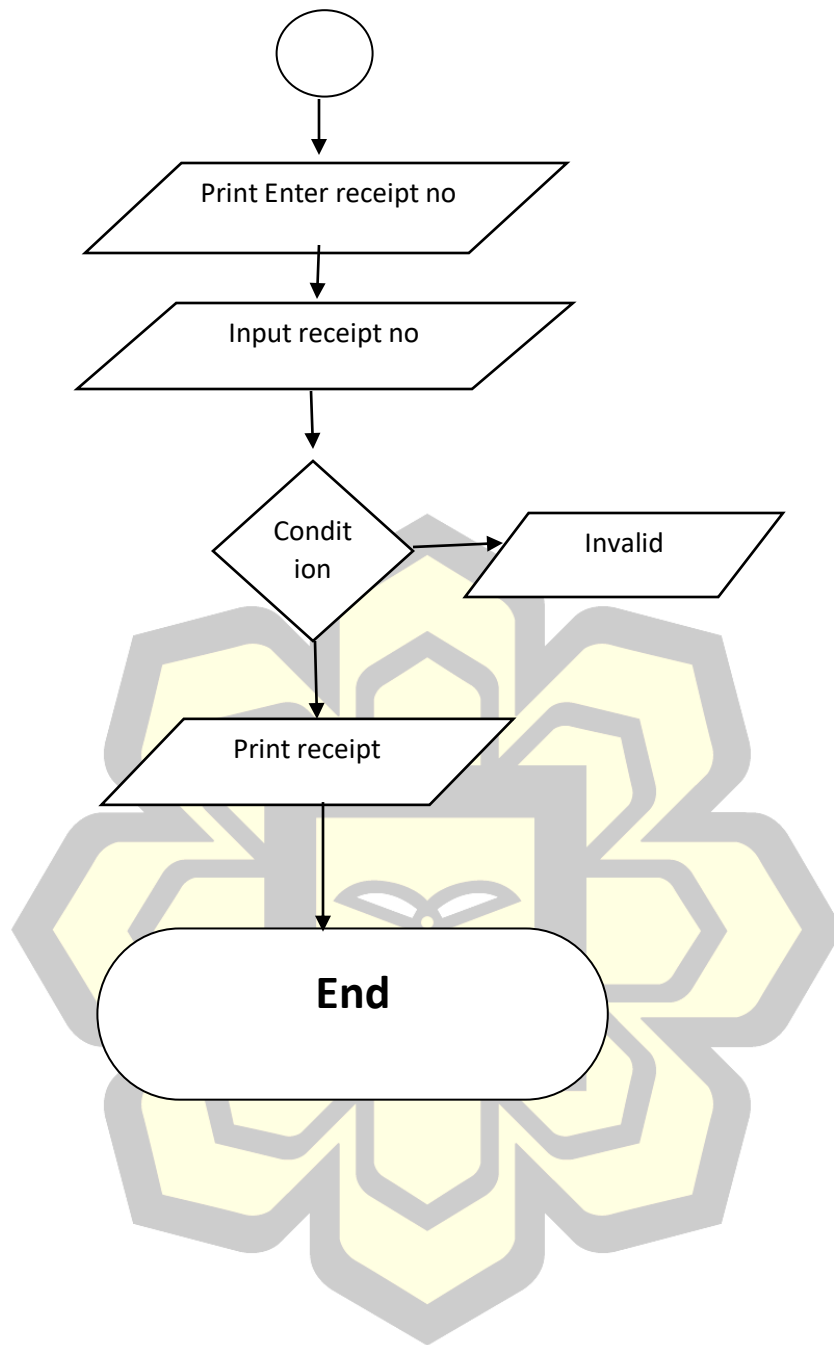


Delete :



Receipt:





Manger Section (Functions Called):

- ✓ void GetManagerDetails();
- ✓ void CheckPasswordLength(string,string);
- ✓ void CheckUsernameAndPassword(string,string);
- ✓ extern void dispmain1();

IN Functions:

- ✓ void take_order();
- ✓ void delete_order();
- ✓ void modify();
- ✓ void order_list();
- ✓ void daily_summary();
- ✓ void exit();
- ✓ extern void opening() ;

LIBRARY FUNCTION

#include<iostream>

#include<conio.h>

#include<stdlib.h>

#include<string>

#include<cctype>

```
#include<cmath>

#include<cstdio>

#include<fstream>

#include<iomanip>

#include <windows.h>
```

Algorithm (Use of functions):

1. Start
2. Chose the user mode
3. Select options
4. Case:1
Take order()
Case:2 delate order
Case:3 modify order
Case:4 print receipt
Case:5 delete order
Case:6 change user mode
Case:7 exit
5. If

Case:1

Take order()

{

- ✓ Enter receipt id
- ✓ Enter customer name
- ✓ Customer phone number
- ✓ Date
- ✓ Order }

if

Case:2 delete order

- ✓ Enter receipt id
- ✓ Delete order

if

Case:3 modify order

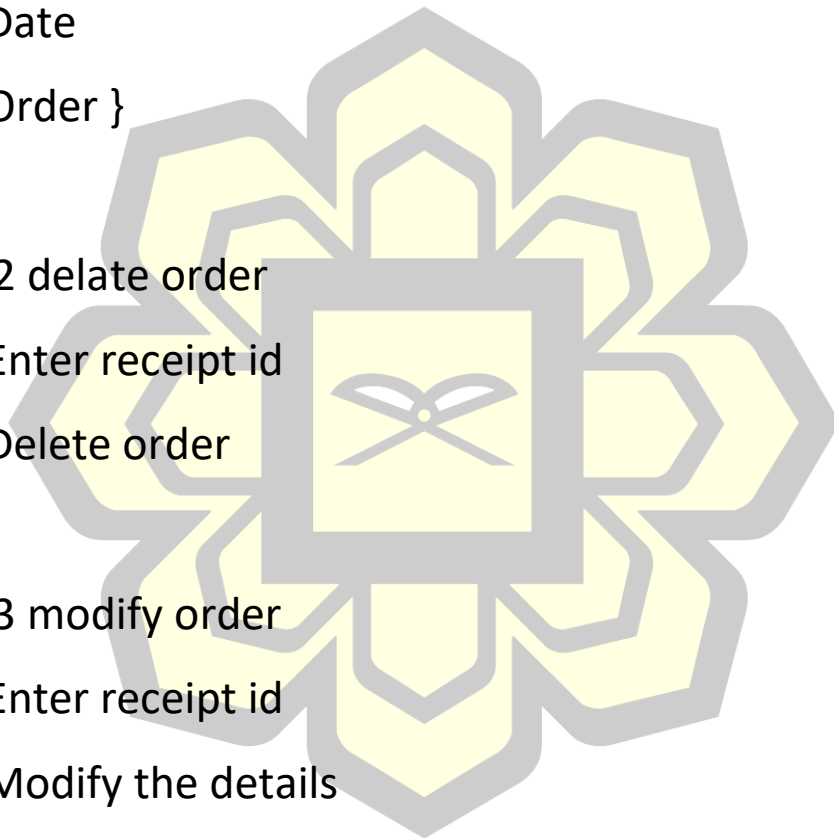
- ✓ Enter receipt id
- ✓ Modify the details

if

Case:4 print receipt

- ✓ Enter receipt id
- ✓ Print receipt

if



Case:5 delete order

- ✓ Enter receipt id
- ✓ Delete order

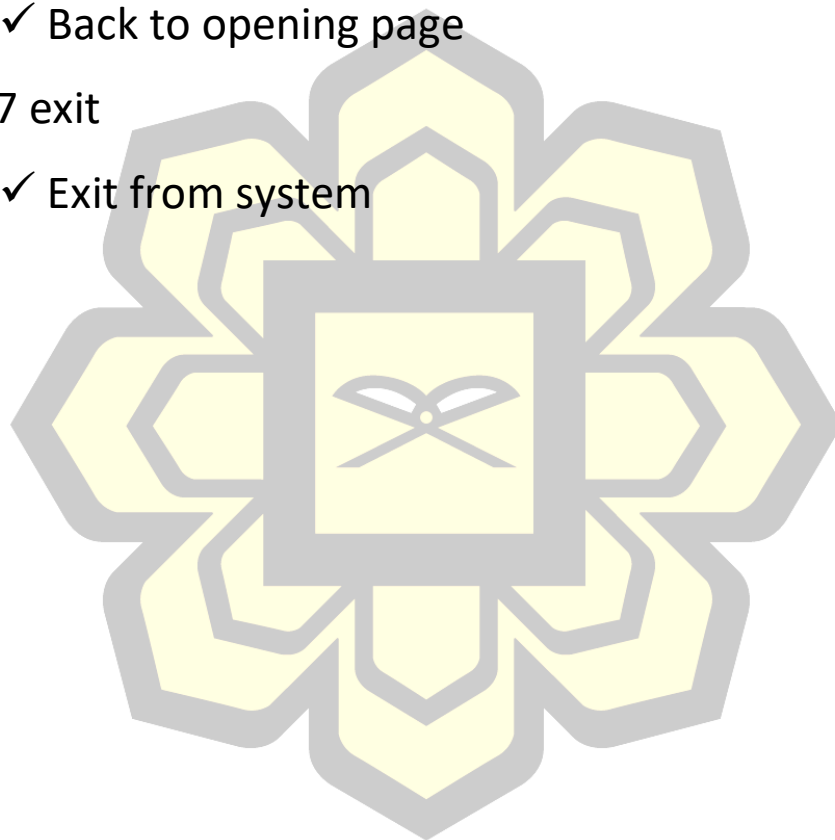
if

Case:6 change user mode

- ✓ Back to opening page

Case:7 exit

- ✓ Exit from system



THIS IS THE WELCOMING PAGE:

```
"C:\Users\Hp\Desktop\Final project\MAINPROJECT.exe"

*****
*****  WELCOME TO FRIEND'S PHARMACY  *****
*****

*****
*****  SELECT WHAT YOU WANT  *****
*****
*****
*****  1. MANAGER  | -Can Order,Delete,Modify,Print and see the Daily summary  |
*****  -----  |
*****  2. CUSTOMER | -Can Order,Delete,Print Only  |
*****  -----  |
*****  3. EXIT     | -Exit from the function  |
*****  -----  |
*****

SELECT THE OPTION :
```

THIS IS THE MANAGER LOGIN PAGE:

```
"C:\Users\Hp\Desktop\Final project\MAINPROJECT.exe"

*****
*****  WELCOME TO THE MANAGER SECTION  *****
*****      &      *****
*****  PLEASE ENTER VALID USER NAME & PASSWORD  *****
*****

USE THE EXACT USER NAME & PASS.
(IT HAS CASE SENSITIVITY ISSUE)
-----
Username: TANVEER
Password:
```

MANAGER VEWI PAGE

"C:\Users\Hp\Desktop\Final project\MAINPROJECT.exe"

```
*****
*****  WELLCOME TO FRIEND'S PHARMACY  *****
*****
Select what you want:
    1. Make an order of Medicine
    2. Delete latest Medicine order
    3. Modify Order List
    4. Print the Reciept and Make Payment
    5. Daily Summary of total Sale
    6. Back to the user mood
    7. Exit
*****

Enter choice:
```

CUSTOMER VIEW PAGE

"C:\Users\Hp\Desktop\Final project\MAINPROJECT.exe"

```
*****
*****  WELLCOME TO FRIEND'S PHARMACY  *****
*****
Select what you want:
    1. Make an order of Medicine
    2. Delete latest Medicine order
    3. Print the Reciept and Make Payment
    4. Back to the user mood
    5. Exit
*****

Enter choice:
```

TAKE ORDER PAGE VIEW:

"C:\Users\Hp\Desktop\Final project\MAINPROJECT.exe"

```
*****
*****SELECT YOUR ITEMS (maximum 10 from each item)*****
*****
Number      Type      Name of Medicine      Price
*****
0001        OTC      PARACITAMOL BP        RM 5.00
0002        OTC      MAXPRO(500mg)         RM 4.00
0003        OTC      VITAMIN-E(500mg)      RM 2.00
0004        OTC      METRONIDOJOL          RM 3.00
0005        OTC      MOMENTO               RM 1.00
0006        OTC      KETOROLAC             RM 5.00
0007        OTC      AMINO ZINC Tablet     RM 6.00
0008        OTC      OFFCOUGH              RM 3.00
0009        OTC      BIODIN               RM 2.00
0010        OTC      BENZODIAZEPINES       RM 7.00
*****

**PLEASE ADD YOUR DETAILS**
-----
1.Enter Receipt Number(new) : 101
2.Enter Customer Frist Name : ZUBAIR
3.Enter Customer Phone Number : 0183835972
4.Enter Order Date : 14/12/2018
5.How Many You Want To Order : 3
-----
1.Enter The code of Madecine : 4
  You Chosen Medicine is : METRONIDOJOL
  How many do you want : 5
  *The amount You need to pay : 15 RM

2.Enter The code of Madecine : 6
  You Chosen Medicine is : KETOROLAC
  How many do you want : 2
  *The amount You need to pay : 10 RM

3.Enter The code of Madecine : 3
  You Chosen Medicine is : VITAMIN-E(500mg)
  How many do you want : 1
  *The amount You need to pay : 2 RM

-----
Order Has Been Taken Successfully
-----
Go To Main Menu to Print the receipt & Bill
-----
```

THIS IS MODIFY PAGE VIEW:

```
"C:\Users\Hp\Desktop\Final project\MAINPROJECT.exe"

Enter Receipt Number To Modify : 101

*****
*****SELECT YOUR ITEMS (maximum 10 from each item)*****
*****
Number      Type      Name of Medicine      Price
*****
0001       OTC      PARACITAMOL BP       RM 5.00
0002       OTC      MAXPRO(500mg)       RM 4.00
0003       OTC      VITAMIN-E(500mg)    RM 2.00
0004       OTC      METRONIDOLJOL       RM 3.00
0005       OTC      MOMENTO              RM 1.00
0006       OTC      KETOROLAC           RM 5.00
0007       OTC      AMINO ZINC Tablet    RM 6.00
0008       OTC      OFFCOUGH             RM 3.00
0009       OTC      BIODIN              RM 2.00
0010       OTC      BENZODIAZEPINES     RM 7.00
*****

-----
1.Change Receipt Number(new) : 102
2.Change Customer Frist Name : Raisul
3.Change Customer Phone Number : 0183838957
4.Change Order Date : 14/12/18
5.How Many You Want To Order : 2

-----
1.Enter The New code of Madecine : 1
  Changed Medicine is : PARACITAMOL BP
  How Many Do You Want(New) : 2
  *The New Amount You Need To Pay : 10 RM

2.Enter The New code of Madecine : 3
  Changed Medicine is : VITAMIN-E(500mg)
  How Many Do You Want(New) : 1
  *The New Amount You Need To Pay : 2 RM

-----[ RECORD MODIFIED.....! ]-----
```

DELETE PAGE :

```
"C:\Users\Hp\Desktop\Final project\MAINPROJECT.exe"

Enter the data you want to delete :102

The Receipt is Deleted Successfully
```

PRINT RECEIPT PAGE

"C:\Users\Hp\Desktop\Final project\codes\MAINPROJECT.exe"

Enter The Receipt Number To Print : 101

```
*****
                          Here is the Order list
*****
Receipt No : 101                      Date :12/12/18
*****
Customer Name      : Raisul
Customer Phone Number : 183835797
*****
=====
Type      Name of Medicine      Quantity      Price
=====
OTC      MAXPRO(500mg)          1              4 RM
-----
OTC      VITAMIN-E(500mg)       5             10 RM
-----
OTC      PARACITAMOL BP         5             25 RM
-----
Total Bill is :              39 RM
*****
```

Type The Amount You Want to pay: 50
YOU HAVE 11 RM BACK, TAKE YOUR MONEY

PAYMENT DONE & THANK YOU

0

DAILY SUMMARIES VIEW:

"C:\Users\Hp\Desktop\Final project\codes\MAINPROJECT.exe"

```
=====
Type      Name of Medicine      Quantity      Price
=====
OTC      VITAMIN-E(500mg)       2              4 RM
-----
OTC      KETOROLAC              5             25 RM
-----
Total Bill is :              29 RM
*****
```

```
*****
Receipt No : 101                      Date :12/12/18
*****
Customer Name      : Raisul
Customer Phone Number : 12545789
*****
=====
Type      Name of Medicine      Quantity      Price
=====
OTC      PARACITAMOL BP         3             15 RM
-----
OTC      VITAMIN-E(500mg)       2              4 RM
-----
OTC      METRONIDOJOL           3              9 RM
-----
Total Bill is :              28 RM
*****
```


INVALID INPUT VIEW:

```
"C:\Users\Hp\Desktop\Final project\MAINPROJECT.exe"

*****
*****  WELLCOME TO FRIEND'S PHARMACY  *****
*****
Select what you want:
1. Make an order of Medicine
2. Delete latest Medicine order
3. Modify Order List
4. Print the Reciept and Make Payment
5. Daily Summary of total Sale
6. Back to the user mood
7. Exit
*****

Enter choice: 8

SORRY YOUR INPUT IS OUT OF SELECTION.PLEASE RE-ENTER INPUT.
```

EXIT VIEW:

```
"C:\Users\Hp\Desktop\Final project\codes\MAINPROJECT.exe"

*****
*****  YOU CHOOSE TO EXIT  *****
*****  &  *****
*****  THANKS FOR STAYING WITH US  *****
*****

Process returned 0 (0x0)   execution time : 181.895 s
Press any key to continue.
```