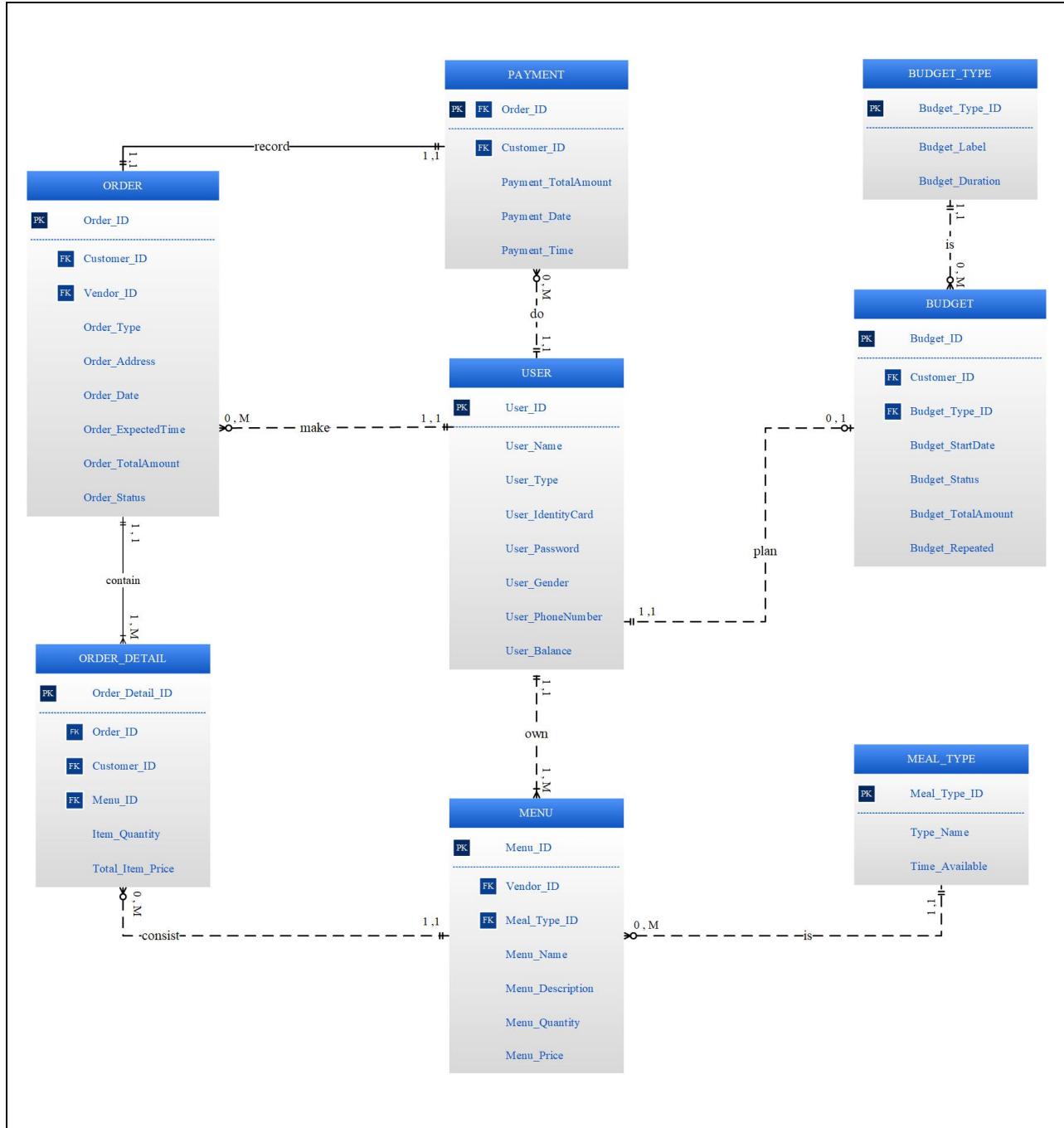


Data Model

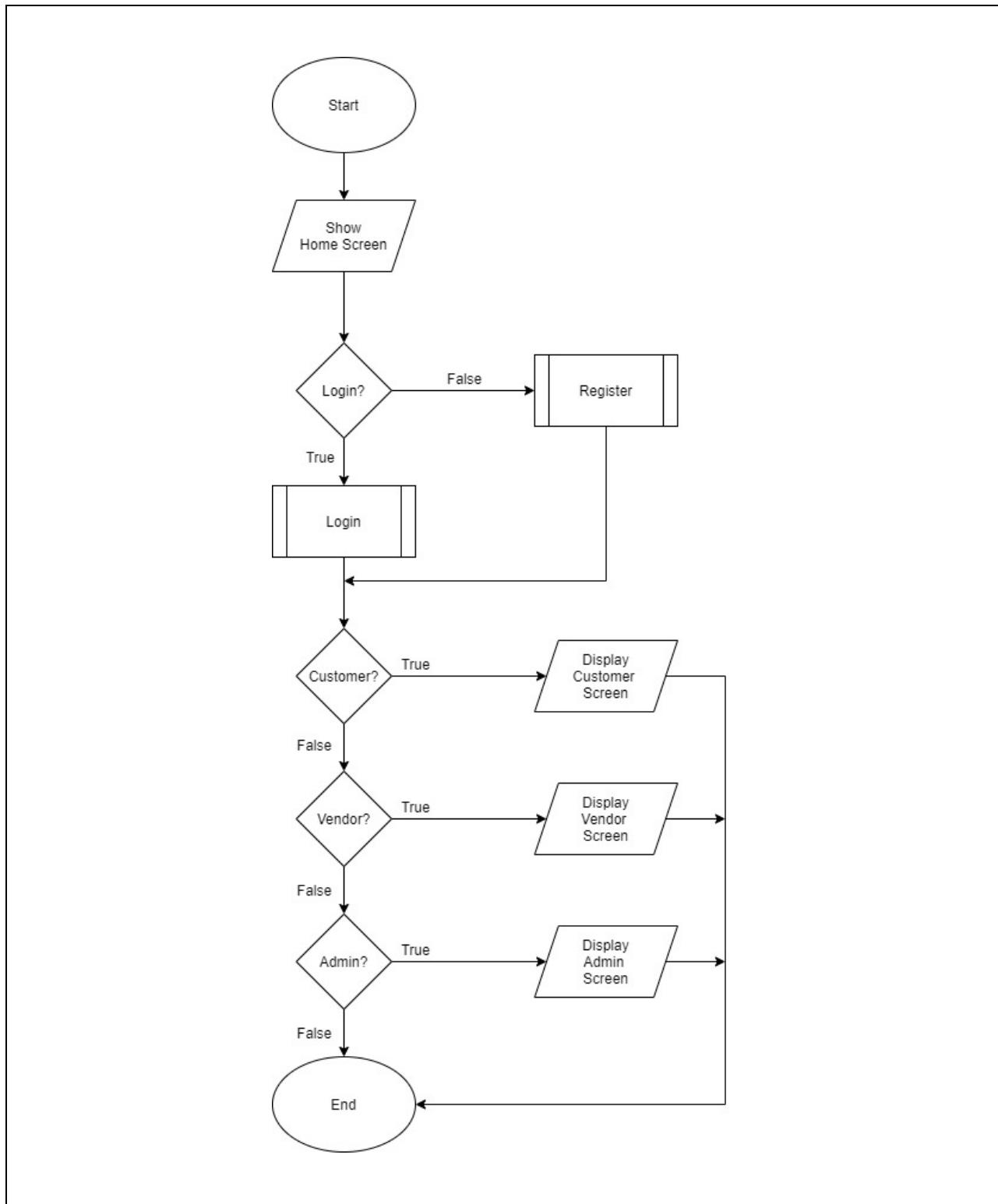


Data Dictionary

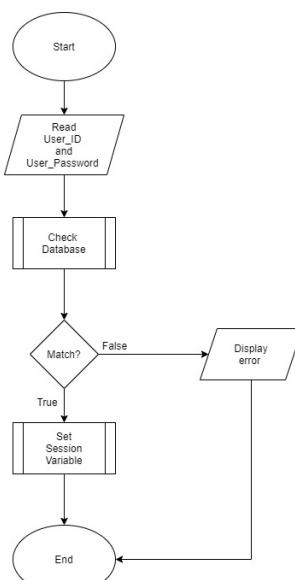
Data Dictionary							
e-Cafeteria: Food Ordering and Food Budgeting Application							
USER							
Attribute Name	Contents	Data Type And Size	Format	Requirement?	Default Value	Unique?	PK or FK
User ID	Customers, Vendors and Admin's identification number	Integer(5)	I	Yes		Yes	PK
User Name	Full name of each user	Varchar2(30)		Yes			
User Type	Type of each user	Varchar2(10)	Customer / Vendor / Admin	Yes			
User IdentityCard	Number of Identity Card (IC) of each user	Varchar2(15)	980317-02-4156	Yes		Yes	
User Password	Password for their account	Varchar2(10)	abc123	Yes			
User Gender	Gender of each user	Char(1)	L / P	Yes			
User PhoneNumber	Handphone number that can contact	Varchar2(12)	014-9236578	Yes			
User Balance	Balance in the account (in RM)	Double		Yes			
MEAL_TYPE							
Attribute Name	Contents	Data Type And Size	Format	Requirement?	Default Value	Unique?	PK or FK
Meal Type ID	Meal Type's identification number	Varchar2(10)	T001	Yes		Yes	PK
Type Name	Meal Type's name	Char(10)	Breakfast / Lunch /Dinner	Yes			
Time Available	Duration where it is available	Time		Yes			
MENU							
Attribute Name	Contents	Data Type And Size	Format	Requirement?	Default Value	Unique?	PK or FK
Menu ID	Menu identification number	Varchar2(10)	M001	Yes		Yes	PK
Vendor ID	Vendors' identification number	Integer(5)	2	Yes			FK
Meal Type ID	Meal Type's identification number	Varchar2(10)	T001	Yes			FK MEAL_TYPE
Menu Name	Product name	Varchar2(50)		Yes			
Menu Description	Description of the product	Varchar2(100)		Yes			
Menu Quantity	Quantity of the product	Integer(3)		Yes			
Menu Price	Price of the product (in RM)	Double		Yes			
ORDER							
Attribute Name	Contents	Data Type And Size	Format	Requirement?	Default Value	Unique?	PK or FK
Order ID	Order's identification number	Varchar2(10)	D001	Yes		Yes	PK
Customer ID	Customers' identification number	Integer(5)	1	Yes			FK
Vendor ID	Vendors' identification number	Integer(5)	2	Yes			FK USER
Order Type	Dine in or delivery	Varchar2(10)		Yes			
Order Address	Place that delivers	Varchar2(50)		Yes	Café (Dine In)		
Order Date	Date of make order	Date		Yes			
Order ExpectedTime	Time to receive order	Time		Yes			
Order TotalAmount	Amount of order (in RM)	Double		Yes			
Order Status	Status of order	Char(20)		Yes			
ORDER_DETAIL							
Attribute Name	Contents	Data Type And Size	Format	Requirement?	Default Value	Unique?	PK or FK
Order Detail ID	Order detail's identification number	Varchar2(10)	K001	Yes		Yes	PK
Order ID	Order's identification number	Varchar2(10)	D001	Yes			FK ORDER
Customer ID	Customers' identification number	Integer(5)	1	Yes			FK USER
Menu ID	Menu identification number	Varchar2(10)	M001	Yes			FK MENU
Item Quantity	Quantity of each item	Integer(3)		Yes			
Total Item Price	Total amount for each item (in RM)	Double		Yes			
PAYMENT							
Attribute Name	Contents	Data Type And Size	Format	Requirement?	Default Value	Unique?	PK or FK
Order ID	Order's identification number	Varchar2(10)	D001	Yes		Yes	PK,FK
Customer ID	Customers' identification number	Integer(5)	1	Yes			FK
Payment TotalAmount	Total amount paid (in RM)	Double		Yes			
Payment Date	Date of payment	Date		Yes			
Payment Time	Time of payment	Time		Yes			
BUDGET_TYPE							
Attribute Name	Contents	Data Type And Size	Format	Requirement?	Default Value	Unique?	PK or FK
Budget Type ID	Budget Type's identification number	Varchar2(10)	B001	Yes		Yes	PK
Budget Label	Name of the budget type	Char(10)	Daily / Weekly / Monthly	Yes			
Budget Duration	Duration where it is available	Time		Yes			
BUDGET							
Attribute Name	Contents	Data Type And Size	Format	Requirement?	Default Value	Unique?	PK or FK
Budget ID	Budget identification number	Varchar2(10)	G001	Yes		Yes	PK
Customer ID	Customers' identification number	Integer(5)	1	Yes			FK
Budget Type ID	Budget Type's identification number	Varchar2(10)	B001	Yes			FK BUDGET_TYPE
Budget StartDate	Date start to plan budget	Date		No			
Budget Status	Status of budget	Char(10)		Yes	OFF		
Budget TotalAmount	Amount of budget (in RM)	Double		Yes			
Budget Repeated	Will the budget repeat	Char(1)	Y / N	Yes			

Flowchart

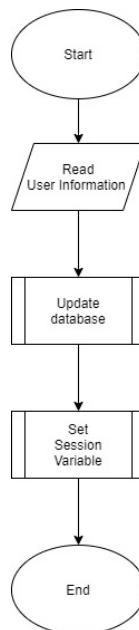
Main Module



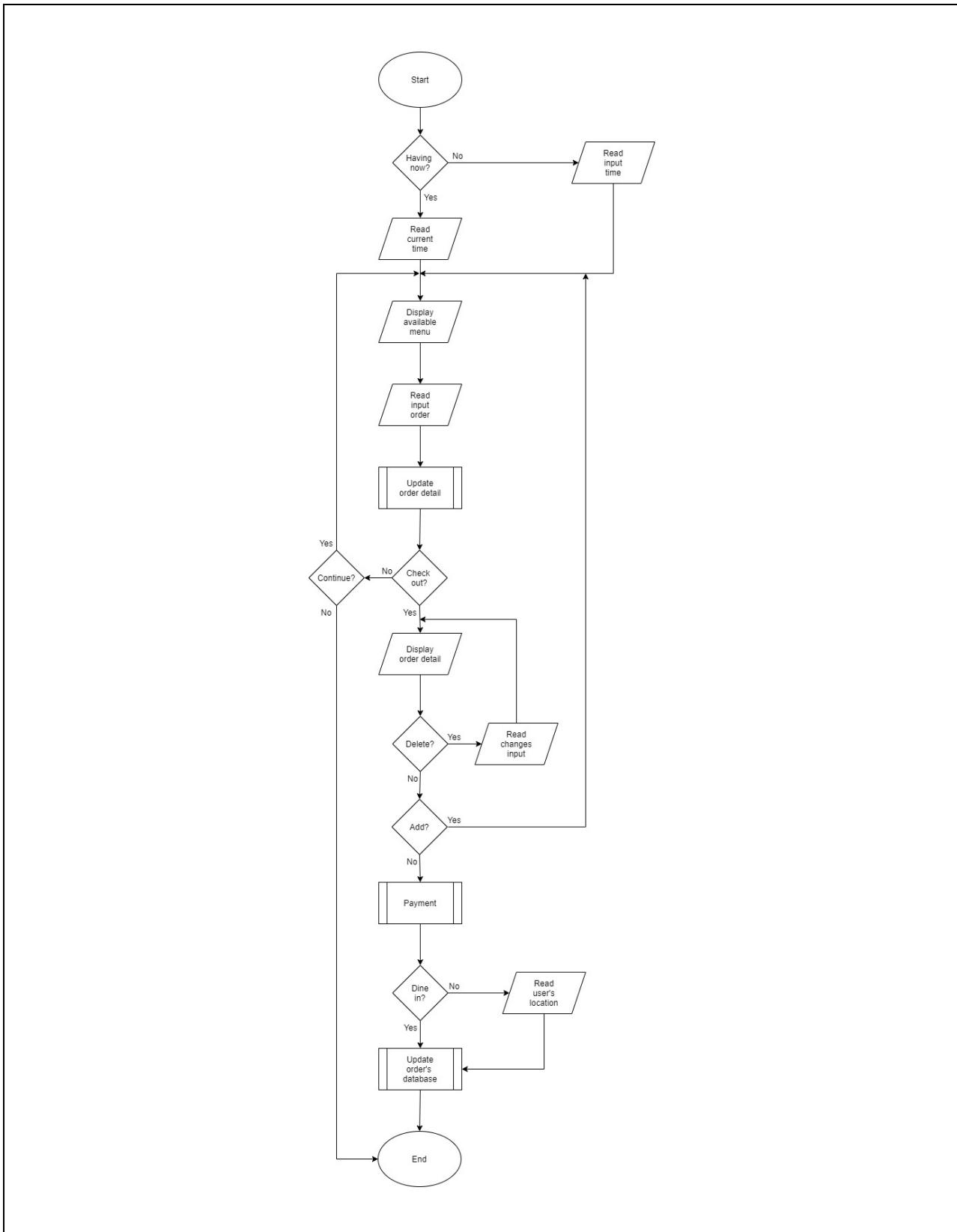
Login Module



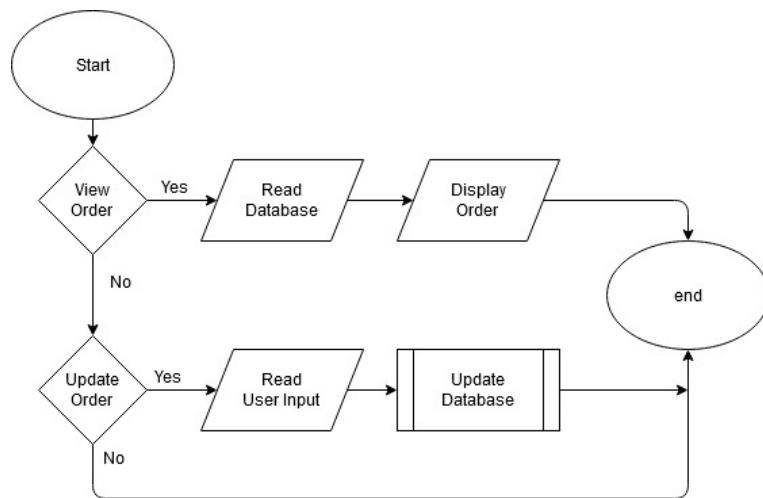
Register Module



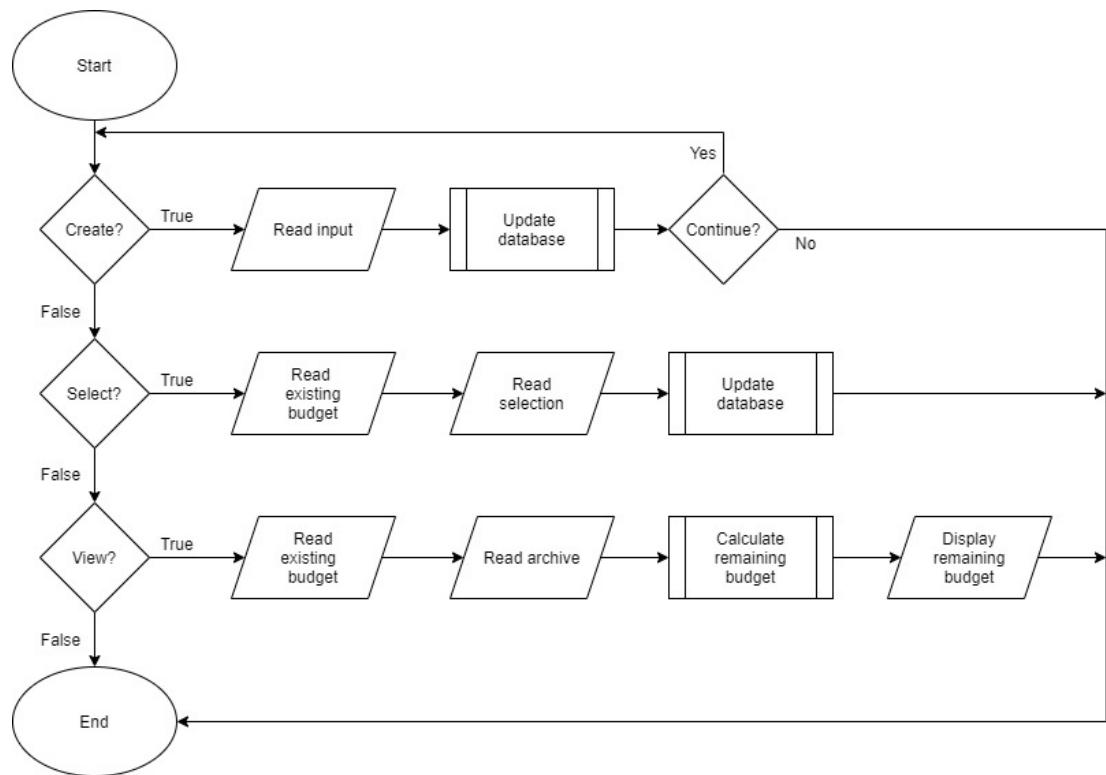
Order Module (Customer)



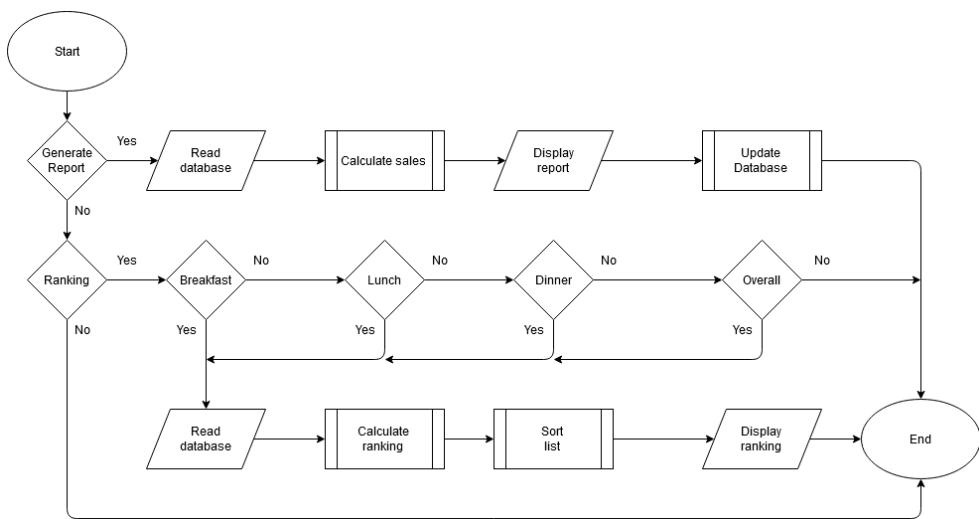
Order Module (Vendor)



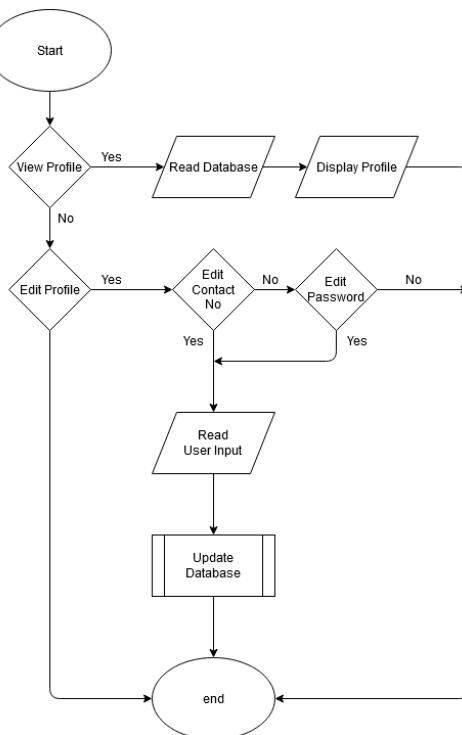
Budget Module



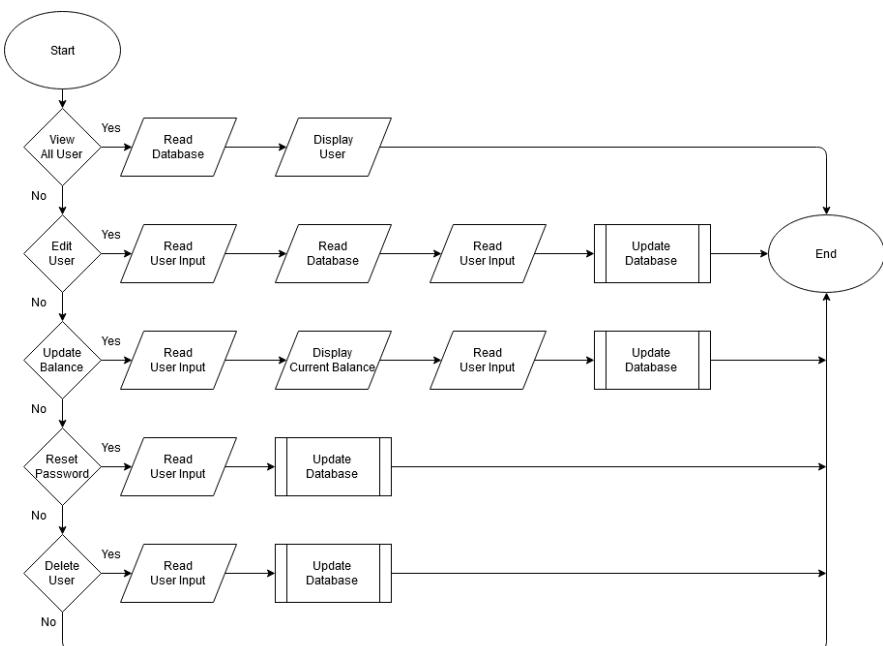
Sales Module



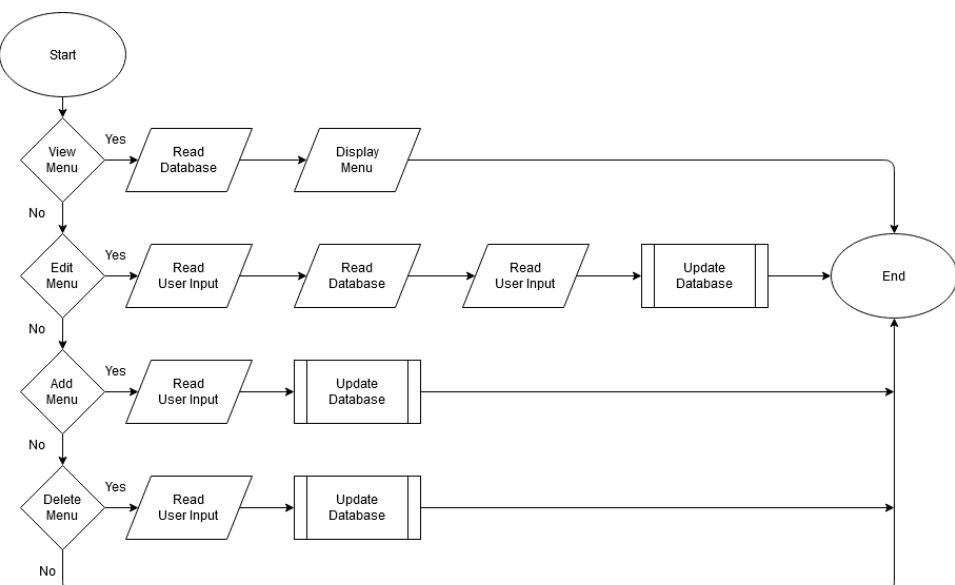
Profile Module



Manage User Module



Manage Menu Module



1. Main Screen

 Welcome +0 e - Cafeteria
Login Register 1 2 EXIT 0
Please enter your choice = * If 1, can refer 3 * If 2, can refer 2

- * Admin only can login
- * One identity card only allow consist one account either customer or vendor.

3. Login Screen

Please enter your User-ID :
1 or 2 or 3

Please enter your password :
abc123

2. Register Screen

Please enter your name:
Cecilia Chong Ching Hee

- ## 1. Customer

2. Vendor

Please enter your Identity:

* If 1, refer 9

* If 2, refer 15

Please enter your IC =
710328-14-2213

Please insert your password:

* Note : It must be alphabet + and digit
abc123

Please enter your gender (L/P) =

P

Please enter your phone number :

012-9756834

Your User-ID is = 1

4. Customer Screen

1. View and Manage profile
 2. View menu and orders
 3. View order status
 4. Plan budget
 5. Log Out

Please enter your choice =

*If 1, refer 5

*TP 2, rec'd 15 9

5. Customer Screen

- 1. View profile
 - 2. Edit profile
 - 3. Go back
- Please enter your choice =
- * If 1, refer 6
 - * If 2, refer 7
 - * If 3, refer 4

6. Customer Screen

User-ID =
1
User-Name =
Cecilia Chong Ching Nee
User-Identity =
Customer
User-Identity Card =
710328 - 14 - 2213
User-Password =

User-Gender =
P
User-Phone Number =
012 - 9756834
User-Balance =
RM 50
Do you want to continue? (Y/N) =

- * If Y, refer 5
- * If N, refer 4

7. Customer Screen

- 1. User-ID
 - 2. User-Name
 - 3. User-Identity
 - 4. User-Identity Card
 - 5. User-Password
 - 6. User-Gender
 - 7. User-Phone Number
 - 8. User-Balance
 - 9. Go back
- Please enter your choice =
- * If 5, refer 8
 - * If 9, refer 5

8. Customer Screen

Please enter your old password =

Please enter your new password =
123abc
Please enter again your new password =
123 abc
Your password is update successful!
Do you want to continue? (Y/N) =

- * If Y, refer 7
- * If N, refer 5

9. Customer Screen

Do you want to have meal now? (Y/N)

* If Y, refer 10

* If N, refer next action

Please enter your order's time =

* Note = We use 24 hour clock

13.15 hour

* The following action can refer 10

10. Customer Screen

If the time is =

07.00 hour - 11.59 hour → show breakfast

12.00 hour - 18.59 hour → lunch

19.00 hour - 22.00 hour → dinner

* only display the available menu

Please enter your order =

Moo!

Do you want to check out? (Y/N)

* If Y, refer 11

* If N, refer next action

Do you want to continue? (Y/N)

* If Y, repeat menu

* If N, refer 4

11. Customer Screen

List out the user's order detail

Do you want to delete? (Y/N)

* If Y, repeat the list

* If N, refer next action

Do you want to add on? (Y/N)

* If Y, repeat menu, refer 10

* If N, refer next action

The total amount is = _____

Do you want to pay? (Y/N)

* If Y, refer next action

* If N, refer 4

Are you dine in? (Y/N)

* If Y, count out "*", return to 4

* If N, refer next action

What is the address that deliver =

Lobby FTMK

→ After give address, also count out

"* Thank you for ordering with us"

→ always will return to 4 whether dine in or delivery.

12. Customer Screen

Display all of the order's list to check the order's status

* return to 4.

13. Customer Screen

Please insert your start date =

14/02/2020

1. Create new budget

2. Select exist budget

3. View budget

Please enter your choice =

* If 1, refer 14

* If 2, refer next action

* If 3, refer next action

* Choice 2:

What is the Budget-ID that you want to select in

B003

* Choice 3 =

Budget Amount	Amount of Expense	Amount of Remaining

↳ This step will show whether the users obey the budget plan or not.

* Finally, it will return to 4

15. Vendor Screen

1. View and manage profile

2. View and manage menu

3. View and manage order

4. View and manage report

5. Log out

Please insert your choice =

* If 1, refer 16

* If 2, refer 20

* If 3, refer 22

* If 4, refer 24

* If 5, refer 1

14. Customer Screen

What is your budget type?

1. Daily

2. Weekly

3. Monthly

Please enter your choice =

* If 1/2/3, refer next action.

* If 1, we will remember the users to insert their budget daily or they can choose the existing budget daily.

* If 2/3, we will remember the users to insert their budget based on their duration. For example, weekly means they need to insert the budget for one week.

Please insert your budget's amount =

* If 1, RM 25 per day

* If 2, RM 150 per week

* If 3, RM 500 per month

* After the budget end date finished, we will remind the users to plan budget, it will automatically go through this screen when they log in. The following question will be answered =

1. Do you want to repeat this active budget type? (Y/N)

* If Y, auto saved this budget type as current

* If N, repeat the selection of screen 13.

16. Vendor Screen

1. View profile

2. Edit profile

3. Go back

Please enter your choice =

* If 1, refer 17

* If 2, refer 18

* If 3, refer 15

17. Vendor Screen

User-ID =
2
User-Name =
Cecilia Chong Ching Nee
User-Identity =
Vendor
User-Identity Card =
710328-14-2213
User-Password =

User-Gender =
P
User-PhoneNumber =
012-9756834
User-Balance =
RM 12 000
Do you want to continue ? (Y/N) =
* If Y, refer 16
* If N, refer 15

18. Vendor Screen

1. User-ID
 2. User-Name
 3. User-Identity
 4. User-Identity Card
 5. User-Password
 6. User-Gender
 7. User-PhoneNumber
 8. User-Balance
 9. Go Back
- Please enter your choice =
- * If 7, refer 19
* If 9, refer 16

19. Vendor Screen

Please enter your old phone number =
012-9756834
Please enter your new phone number =
018-7543962
Please enter again new phone number =
018-7543962
Your new phone number is updated
successful!
Do you want to continue ? (Y/N)
* If Y, refer 18
* If N, refer 16

20. Vendor Screen

1. View menu
 2. Manage menu
 3. Go back
- Please enter your choice =
- * If 1, refer next action
* If 2, refer 21
* If 3, refer 15

List of menu

Do you want to continue ? (Y/N)
* If Y, refer 20
* If N, refer 15

21. Vendor Screen

Please enter menu item =
M001

Please enter stock amount =
100

Stock updated successful !

Do you want to continue ? (Y/N)

* If Y, repeat this action

* If N, refer 20

22. Vendor Screen

1. View order

2. Manage order

3. Go Back

Please enter your choice =

* If 1, refer next action

* If 2, refer 23

* If 3, refer 15

List of order

Do you want to continue ? (Y/N)

* If Y, refer 22

* If N, refer 15

23. Vendor Screen

Please enter Order - ID =

D001

Current status of D001 is =

"Processing"

Do you want to update status ? (Y/N)

* If Y, continue to next action

* If N, refer 22

1. Accept

2. Reject

3. Processing

4. Done

Please enter update status =

4

Do you want to continue ? (Y/N)

* If Y, repeat this action

* If N, refer 22

24. Vendor Screen

1. Generate report

2. Ranking

3. Go Back

Please enter your choice =

* If 1, refer next action

* If 2, refer 25

* If 3, refer 15

Sales Report

Do you want to continue ? (Y/N)

* If Y, refer 24

* If N, refer 15

25. Vendor Screen

Customer Profile

26. Admin Screen

Customer Profile

1. Breakfast
2. Lunch
3. Dinner
4. Overall

Please choose your category =

* If 1/2/3/4, refer next action

Ranking =

1.

2.

3.

4.

Do you want to continue ? (Y/N)

* If Y, repeat this action

* If N, refer 24

1. View and manage own profile

2. View and manage user

3. View and manage menu

4. Log Out

Please enter your choice =

* If 1, refer 27

* If 2, refer 28

* If 3, refer 33

* If 4, refer 1

27. Admin Screen

Customer Profile

28. Admin Screen

Customer Profile

1. View profile
2. Edit profile
3. Go Back

Please enter your choice =

* same as customer and vendor

1. View all user
2. Edit user
3. Update Balance
4. Reset Password
5. Delete user

6. Go back

Please enter your choice =

* If 1, refer next action

* If 2, refer 29

* If 3, refer 30

* If 4, refer 31

* If 5, refer 32

* If 6, refer 26

List of user

Do you want to continue ? (Y/N)

* If Y, continue this page

* If N, refer 24

29. Admin Screen

Please enter User-ID =

1

1. User-ID
2. User-Name
3. User-Identity
4. User-PhoneNumber

Please enter your choice =

4

Please enter your new data =

018-6738924

User COOL's profile is updated successful!

Do you want to continue? (Y/N)

* If Y, repeat this action

* If N, refer 28

30. Admin Screen

Please enter User-ID =

1

Please enter amount =

RM 50

Balance is updated successful!

Do you want to continue? (Y/N)

* If Y, repeat this action

* If N, refer 28

31. Admin Screen

Please enter User-ID =

1

Password is resetted -

New Password is =

RX79j

Do you want to continue? (Y/N)

* If Y, refer this page

* If N, refer 28

32. Admin Screen

Please enter User-ID =

1

Please enter your password =

abc123

* This password is Admin's password.

User COOL is deleted successful!

Do you want to continue? (Y/N)

* If Y, repeat this action

* If N, refer 28.

33. Admin Screen

1. View menu
2. Edit menu
3. Add menu
4. Delete menu
5. Go Back

Please enter your choice =
* If 1, refer next action
* If 2, refer 34
* If 3, refer 35
* If 4, refer 36
* If 5, refer 28

List of menu

Do you want to continue? (Y/N)
* If Y, refer 33
* If N, refer 28

35. Admin Screen

1. Breakfast
 2. Lunch
 3. Dinner
- Please enter meal type =

1

Please enter menu name =
Nasi Lemak

Please enter menu price =
RM2.00

Please enter description =
Fragrant rice with egg

Do you want to continue? (Y/N)
* If Y, refer 35
* If N, refer 33

34. Admin Screen

Please enter Menu-ID =
M001

1. Edit meal type
2. Edit price

3. Edit name

Please enter your choice =
* If 1, refer next action
* If 2,3, do not show in example.

1. Breakfast

2. Lunch

3. Dinner

Please select new menu type =

1

M001's meal type is updated successful!

Do you want to continue? (Y/N)

* If Y, repeat this action

* If N, refer 33

36. Admin Screen

Please enter Menu-ID =
M001

Please enter your User-Password =
abc123

By Admin's password,
M001 has been deleted!

Do you want to continue? (Y/N)

* If Y, repeat this action

* If N, refer 33.