

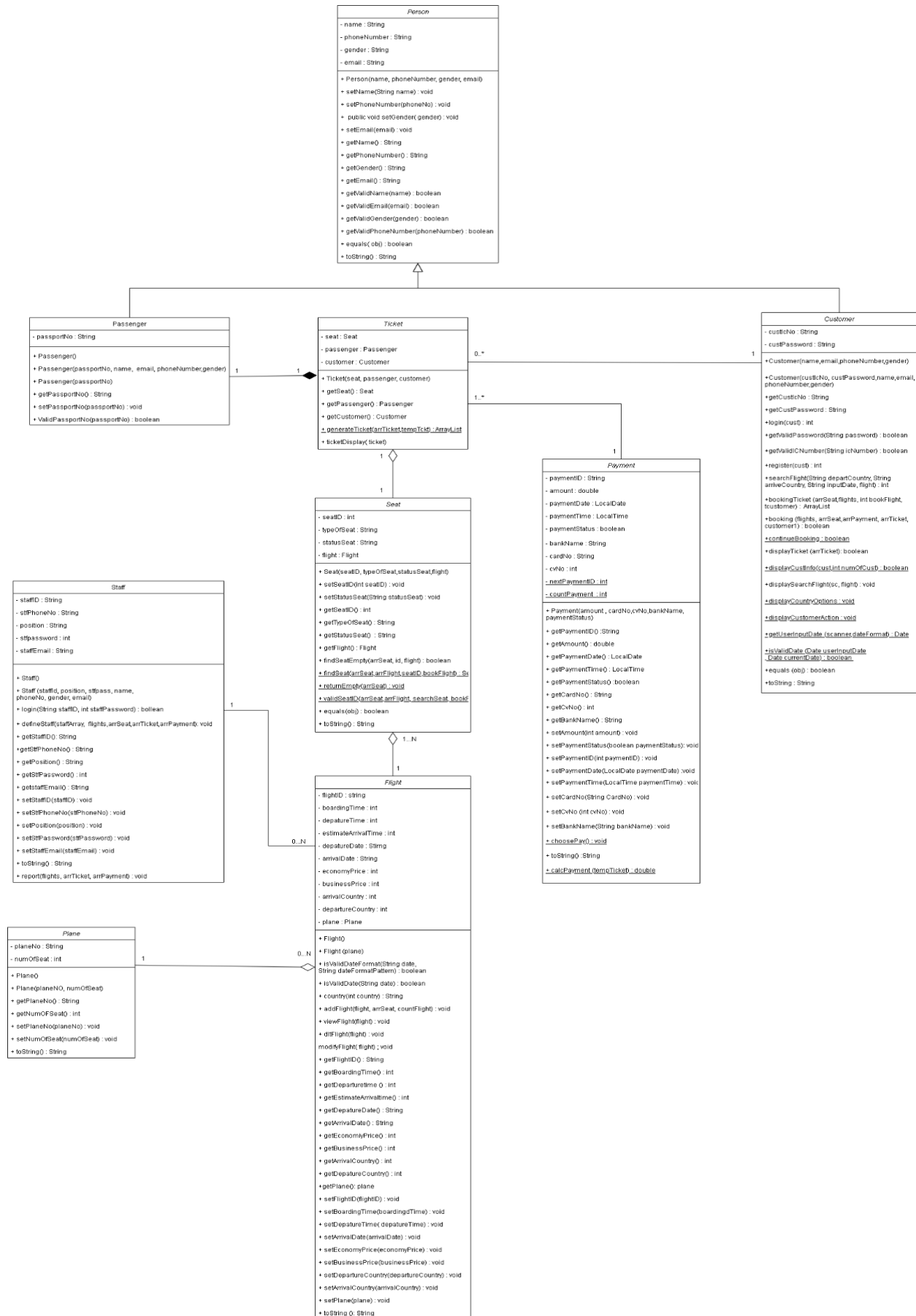
Table of Contents

Table of Contents	1
Assignment Idea Description	2
System UML Class Diagram	3
Sample Screenshot and Description of the system	4
Main Menu	4
Main Menu Design - Tay Tem Hoe	4
Staff	5
Staff Login Module - Chan Chee Hein	5
Staff Add Flight Module - Chan Chee Hein	6
Staff Delete Flight Module - Chan Chee Hein	8
Staff Modify Flight Time Module - Chan Chee Hein	9
Staff View All Flight Module - Chan Chee Hein	11
Customer	16
Customer Login Module - Yap Kah Yong	16
Customer Registration Module - Yap Kah Yong	17
Customer Search Flight Module - Yap Kah Yong	18
Customer View Information Module - Yap Kah Yong	20
Customer Display Seat Module - Ang Wen Yee	21
Customer Booking Ticket Module - Ang Wen Yee	24
Customer Payment Module - Tay Tem Hoe	26
Customer Display Ticket Module - Ang Wen Yee	28

Assignment Idea Description

In this assignment, our group has developed an airline ticketing system named TWCY Airline Ticketing System. This system is designed to handle online ticketing operations. In our system, all the flights would be updated by staff; staff could modify the flight time, delete any flight, and view all the flight details as well. Following up with the customer module, customers will first register an account if they haven't, or they can directly log in if they have an account. After logging in, customers can view their information to secure themselves. They can search for any flight they want to book by following key points such as departure country, arrival country, and departure date. After searching, the customer can book the flight ticket by keying in the flight ID, and the system will show all the available seats, such as economy and business seats, with status on the flight. The customer can insert the seat number to book the seat and then key in their details, such as their name, passport number, and phone number. After booking a ticket, the system will ask if the customer wants to book another or not. If yes, continue booking. If not, the system will ask the user to confirm the booking. If yes, the system will jump to the payment part. In the payment, we will let the customer choose the bank that they want to use, the card number, and the CV number. After the customer confirms the payment, we will generate the ticket for them, and the customers can view the details of the ticket. The system will generate a report that can only be viewed by the staff, and the report will show the total number of ticket sales on each flight, the total number of ticket sales, and the company's total earnings on all flights.

System UML Class Diagram



Sample Screenshot and Description of the system

Main Menu

Main Menu Design - Tay Tem Hoe

```

      /$$$$$$$$$/ $$      /$$  /$$$$$$$ /$$      /$$
|___  $$___/  $$  /$  |  $$ /$$$___  $$|  $$  /$$$ /
    |  $$  |  $$ /$$$|  $$|  $$ \___/ \  $$ /$$/
    |  $$  |  $$/$$  $$  $$|  $$          \  $$$$/
    |  $$  |  $$$$_  $$$$_|  $$          \  $$/
    |  $$  |  $$$$/ \  $$$|  $$  $$      |  $$
    |  $$  |  $$/   \  $$|  $$$$/$/      |  $$
|___/   |___/       \___/ \_____/       |___/

```

>>> WELCOME <<<

```

=====
|          1. Staff          |
|          2. Customer      |
|          3. Exit          |
=====

```

Enter (1 or 2):

In the main menu, it will show the logo of our airline company "TWCY" The system will request that the user choose their identity from inputs 1 or 2 that are keyed in by the user. 1 is staff, 2 is customer, and 3 is exit.

Staff

Staff Login Module - Chan Chee Hein

```
>> Enter E to Exit <<
=====
|   STAFF LOG IN   |
=====
Enter Staff ID: S001
Enter Password (5-digit): 11111

=====
|                   STAFF DETAILS                   |
=====
Staff ID: S001
Staff Position: Manager
Staff name: Apple Doe
Phone No: 015-5555555
Gender: MALE
Email: john@example.com
=====
```

If a user enters number 1 at the main page the system will run the staff module. So if the user is a staff of the Airline organization he/she will have their own staff ID and password. In this part staff just key in their correct ID and password to log in the system. For example, like the picture above the staff enter "S001" and the correct password for the ID is "11111". If the password is successfully validated the system will first show the staff details (staff id, position, name, phone number, gender, email). Besides, if the users wrongly prompt at the main page, they are not staff but if they accidentally went into the staff log in page they can enter "E" to back to the main page.

Staff Add Flight Module - Chan Chee Hein

```
~~~~~
|          |STAFF MENU|          |
~~~~~
|1. Add Flight          |
|2. Delete Flight      |
|3. Modify Flight Time |
|4. View All Flight    |
|5. View Sales Report  |
|0. To Exit            |
~~~~~
Enter your option: 1

=====
|          ADD FLIGHT          |
=====

Choose Country:
  1.Japan
  2.Malaysia
  3.England
  4.China
  5.Australia
Departure Country: 1
Arrival Country: 2
Boarding Time(0100-2300): 0100
Departure Time(0100-2300): 0200
Estimate Arrival Time(0100-2300): 0900
Departure Date(dd/MM/yyyy): 12/12/2023
Arrival Date (dd/MM/yyyy): 12/12/2023
Economic Price: RM500
Business Price: RM1000
Plane No: PL008
Number of Seat: 36
Confirm to update this Flight?(Y=yes, N=no): Y
  [Flight Updated...]
Need to Add Flight? (Y/N):
```

Staff menu number 1, after staff successfully log into the system they will come into the staff menu page. In this page they can simply use any function they want to. In this part is add flight, staff enter number 1 to go for add flight function. First of all, the system will let staff choose the departure and arrival country by using 1 to 5 selection staff just need to enter an integer. Next, the system will ask staff to enter the boarding, departure and estimate arrival time by using integer 100-2300. 100 meaning 1a.m. and 2400 meaning 11p.m., and staff cannot enter numbers that are not in the range of 100-2300. Next is the departure date and arrival date, staff must enter the correct date following the format given dd/mm/yyyy and can only enter the date after the current date. For example, today's date is 28/09/2023 staff can enter 29/09/2023 or the date after this date. Next is the economy and business seat pricing staff should enter a larger amount for business seat pricing if not the system will show errors. Next is to enter the plane number. The staff should enter the correct plane number that is in the airport. Lastly enter the number of seats of the plane for this flight.

After entering all the flight details staff should enter "Y" to confirm the flight for customers to buy it.

If staff need to continue to add another flight, staff can enter "Y" after the updated confirmation, else the system will go back to the staff menu page.

Staff Delete Flight Module - Chan Chee Hein

```
Need to Add Flight? (Y/N): N
~~~~~
|          |STAFF MENU|          |
~~~~~
|1. Add Flight          |
|2. Delete Flight       |
|3. Modify Flight Time  |
|4. View All Flight     |
|5. View Sales Report   |
|0. To Exit             |
~~~~~
Enter your option: 2
Enter the Flight ID : F011

===== Flight =====

^^=====^^
||          F011          ||
^^=====^^

Flight ID: F011
Departure Country: Malaysia
Arrival Country: Japan
Boarding Time: 100
Departure Time: 200
Estimate Arrival Time: 900
Departure Date: 12/12/2023
Arrival Date: 12/12/2023
Economy Price: RM 500.0
Business Price: RM 1000.0
Plane No: PL008
Number of Seat: 36

=====

Confirm delete?(Y=yes, N=no): y
![Flight have been deleted]!
```

Staff menu number 2, in this delete function staff can enter any flight they want to cancel. For example, if staff want to delete a flight of F011, staff will enter F011 after entering the system and will show all the details of the flight to let the staff check whether this flight is the one that the staff want to delete. After staff checked and confirmed the flight showing is the one he wanted to delete, staff should enter "Y" for the confirmation for delete. If successful, the delete system will show a successful message.

Staff Modify Flight Time Module - Chan Chee Hein

Enter the Flight ID : F001

```
~~~~~
|      |STAFF MENU|      |
~~~~~
|1. Add Flight      |
|2. Delete Flight   |
|3. Modify Flight Time|
|4. View All Flight |
|5. View Sales Report|
|0. To Exit         |
~~~~~
Enter your option: 3
Enter the Flight ID : F001
```

```
===== Flight =====
^^=====^^
||          F001          ||
^^=====^^

Flight ID: F001
Departure Country: Japan
Arrival Country: Malaysia
Boarding Time: 1200
Departure Time: 1300
Estimate Arrival Time: 2000
Departure Date: 11/11/2023
Arrival Date: 12/11/2023
Economy Price: RM 200.0
Business Price: RM 400.0
Plane No: PL04
Number of Seat: 32
```

```
=====
What you want to modify:
1. Boarding Time
2. Departure Time
3. Estimate Arrival Time

Select modify Time: 1

=> Current Boarding Time(0100-2300): 1200
Enter New Boarding Time(0100-2300): 1230
```

```
===== Modified Flight =====
^^=====^^
||          F001          ||
^^=====^^

Flight ID: F001
Departure Country: Japan
Arrival Country: Malaysia
Boarding Time: 1230
Departure Time: 1300
Estimate Arrival Time: 2000
Departure Date: 11/11/2023
Arrival Date: 12/11/2023
Economy Price: RM 200.0
Business Price: RM 400.0
Plane No: PL04
Number of Seat: 32
```

```
=====
[Flight Boarding Time have been modify...]
Do you want to modify another Flight?(Y/y=yes, N/n=no): y
```

```
===== Flight =====
^^=====^^
||          F001          ||
^^=====^^

Flight ID: F001
Departure Country: Japan
Arrival Country: Malaysia
Boarding Time: 1230
Departure Time: 1300
Estimate Arrival Time: 2000
Departure Date: 11/11/2023
Arrival Date: 12/11/2023
Economy Price: RM 200.0
Business Price: RM 400.0
Plane No: PL04
Number of Seat: 32
```

```
=====
What you want to modify:
1. Boarding Time
2. Departure Time
3. Estimate Arrival Time

Select modify Time: 2

=> Current Departure Time(0100-2300): 1300
Enter New Departure Time(0100-2300): 1330
```

```
===== Modified Flight =====
^^=====^^
||          F001          ||
^^=====^^

Flight ID: F001
Departure Country: Japan
Arrival Country: Malaysia
Boarding Time: 1230
Departure Time: 1330
Estimate Arrival Time: 2000
Departure Date: 11/11/2023
Arrival Date: 12/11/2023
Economy Price: RM 200.0
Business Price: RM 400.0
Plane No: PL04
Number of Seat: 32
```

```
=====
[Flight Departure Time have been modify...]
Do you want to modify another Flight?(Y/y=yes, N/n=no): y
```

```

Enter the Flight ID : F001

===== Flight =====

^^=====^^
||           F001           ||
^^=====^^

Flight ID: F001
Departure Country: Japan
Arrival Country: Malaysia
Boarding Time: 1230
Departure Time: 1330
Estimate Arrival Time: 2000
Departure Date: 11/11/2023
Arrival Date: 12/11/2023
Economy Price: RM 200.0
Business Price: RM 400.0
Plane No: PL04
Number of Seat: 32

=====

What you want to modify:
1. Boarding Time
2. Departure Time
3. Estimate Arrival Time

Select modify Time: 3

=> Current Estimate Arrival Time(0100-2300): 2000
Enter New Estimate Arrival Time(0100-2300): 2030

```

Staff menu number 3, this is a modified function staff will enter the flight ID to modify their boarding time, departure and estimated arrival time. After entering the flight ID staff can choose to modify each of the times. After modification it will be updated to the system.

Staff View All Flight Module - Chan Chee Hein

```
=====
|          |STAFF MENU|          |
=====
|1. Add Flight      |
|2. Delete Flight   |
|3. Modify Flight Time|
|4. View All Flight |
|5. View Sales Report|
|0. To Exit         |
=====
Enter your option: 4
```

===== View All The Flight =====

```
^^=====^^
||          F001          ||
^^=====^^
Flight ID: F001
Departure Country: Japan
Arrival Country: Malaysia
Boarding Time: 1230
Departure Time: 1230
Estimate Arrival Time: 2030
Departure Date: 11/11/2023
Arrival Date: 12/11/2023
Economy Price: RM 200.0
Business Price: RM 400.0
Plane No: PL04
Number of Seat: 32
```

```
^^=====^^
||          F002          ||
^^=====^^
Flight ID: F002
Departure Country: Japan
Arrival Country: Malaysia
Boarding Time: 1300
Departure Time: 1400
Estimate Arrival Time: 1800
Departure Date: 11/11/2023
Arrival Date: 14/11/2023
Economy Price: RM 300.0
Business Price: RM 600.0
Plane No: PL05
Number of Seat: 32
```

```
^^=====^^
||          F003          ||
^^=====^^
Flight ID: F003
Departure Country: Japan
Arrival Country: Malaysia
Boarding Time: 1400
Departure Time: 1500
Estimate Arrival Time: 1900
Departure Date: 11/11/2023
Arrival Date: 13/11/2023
Economy Price: RM 400.0
Business Price: RM 700.0
Plane No: PL03
Number of Seat: 36
```

```

^^=====^^
||           F004           ||
^^=====^^

```

```

Flight ID: F004
Departure Country: Australia
Arrival Country: England
Boarding Time: 1200
Departure Time: 1300
Estimate Arrival Time: 2100
Departure Date: 14/11/2023
Arrival Date: 15/11/2023
Economy Price: RM 500.0
Business Price: RM 800.0
Plane No: PL09
Number of Seat: 32

```

```

^^=====^^
||           F005           ||
^^=====^^

```

```

Flight ID: F005
Departure Country: China
Arrival Country: Australia
Boarding Time: 1300
Departure Time: 1600
Estimate Arrival Time: 2300
Departure Date: 15/11/2023
Arrival Date: 16/11/2023
Economy Price: RM 600.0
Business Price: RM 900.0
Plane No: PL02
Number of Seat: 32

```

```

^^=====^^
||           F006           ||
^^=====^^

```

```

Flight ID: F006
Departure Country: Australia
Arrival Country: Japan
Boarding Time: 1400
Departure Time: 1500
Estimate Arrival Time: 1900
Departure Date: 16/12/2023
Arrival Date: 17/12/2023
Economy Price: RM 700.0
Business Price: RM 1000.0
Plane No: PL01
Number of Seat: 36

```

```

^^=====^^
||           F007           ||
^^=====^^

```

```

Flight ID: F007
Departure Country: China
Arrival Country: England
Boarding Time: 1200
Departure Time: 1400
Estimate Arrival Time: 2000
Departure Date: 17/12/2023
Arrival Date: 18/12/2023
Economy Price: RM 100.0
Business Price: RM 400.0
Plane No: PL05
Number of Seat: 32

```

```

^^=====^^
||           F008           ||
^^=====^^

```

```

Flight ID: F008
Departure Country: Australia
Arrival Country: Japan
Boarding Time: 1300
Departure Time: 1400
Estimate Arrival Time: 2200
Departure Date: 10/12/2023
Arrival Date: 11/12/2023
Economy Price: RM 300.0
Business Price: RM 600.0
Plane No: PL11
Number of Seat: 36

```

```

^^=====^^
||           F009           ||
^^=====^^

```

```

Flight ID: F009
Departure Country: Japan
Arrival Country: Australia
Boarding Time: 1200
Departure Time: 1500
Estimate Arrival Time: 2100
Departure Date: 13/12/2023
Arrival Date: 14/12/2023
Economy Price: RM 200.0
Business Price: RM 500.0
Plane No: PL01
Number of Seat: 36

```

```

^^=====^^
||           F010           ||
^^=====^^

```

```

Flight ID: F010
Departure Country: Malaysia
Arrival Country: Malaysia
Boarding Time: 1100
Departure Time: 1200
Estimate Arrival Time: 2100
Departure Date: 20/12/2023
Arrival Date: 21/12/2023
Economy Price: RM 100.0
Business Price: RM 400.0
Plane No: PL07
Number of Seat: 32

```

```

===== End View Flight =====

```

Staff menu number 4, in this function staff can view all the flights that have been updated by any of the staff. The system will display all the updated information of the flight in this function.

Staff View Sales Report Module - Ang Wen Yee

```

=====
|          |STAFF MENU|          |
=====
|1. Add Flight      |
|2. Delete Flight   |
|3. Modify Flight Time|
|4. View All Flight |
|5. View Sales Report|
|0. To Exit         |
=====
Enter your option: 5

=====
|          SALES REPORT          |
=====

Flight ID      Total Seat      Ticket Sales      From      ----> To
=====
F001           32              0              Japan      ----> Malaysia
-----
F002           32              0              Japan      ----> Malaysia
-----
F003           36              0              Japan      ----> Malaysia
-----
F004           32              0             Australia ----> England
-----
F005           32              0              China      ----> Australia
-----
F006           36              0             Australia ----> Japan
-----
F007           32              0              China      ----> England
-----
F008           36              0             Australia ----> Japan
-----
F009           36              0              Japan      ----> Australia
-----
F010           32              0             Malaysia ----> Malaysia
-----
Total Number of Ticket Sales :      0

Payment ID      Amount      Paymenty Date      Bank Name
=====

Dont have any payment be made by the customer.....

```

If the staff input 5 in the staff menu, the system will go into display sales report module. This module will display the details of every flight including the flight id, total seat, total number of ticket sold, departure and arrival country. At the end, the system will display the total number of ticket sales. This module also displays the payment details such as payment id, amount of each payment, payment date and bank that the customer used. Because there are not any payment made yet, so the system displays the "Dont have any payment be made by the customer...." to represent there are not any payment made.

```

=====
|             SALES REPORT             |
=====

Flight ID      Total Seat      Ticket Sales      From      ----->      To
=====
F001           32             3             Japan      ----->      Malaysia
-----
F002           32             0             Japan      ----->      Malaysia
-----
F003           36             0             Japan      ----->      Malaysia
-----
F004           32             0             Australia ----->      England
-----
F005           32             0             China      ----->      Australia
-----
F006           36             1             Australia ----->      Japan
-----
F007           32             0             China      ----->      England
-----
F008           36             0             Australia ----->      Japan
-----
F009           36             0             Japan      ----->      Australia
-----
F010           32             0             Malaysia ----->      Malaysia
-----
Total Number of Ticket Sales :      4

Payment ID      Amount      Paymeny Date      Bank Name
=====
1001           800.00      2023-09-28      MayBank
-----
1002           200.00      2023-09-28      Hong Leong Bank
-----
1003           700.00      2023-09-28      MayBank
-----

The total Sales are RM 1700.00

```

This image above shows the sales report after the customer has booked the flight ticket. As normal, the system will display the details of each flight and total number of ticket sales.

For payment, the system displays the details of every payment that has been made by the customer and displays the total sales in the end.

Customer

Customer Login Module - Yap Kah Yong

```
=====
|      CUSTOMER      |
=====
Do you have any Account?(y=Yes/n=No) > y
^^=====^^
||      Log In Module      ||
<<=====>>
Enter I/C number : 030908-10-1983
Enter password to Log In: 13579138
-->Log In Successful<--

[...Kim Ho Welcome back to Airline System....]
```

When a customer enters our airline ticketing system, the customer has to answer whether they have an existing account or not. If they already have an account they may use their previous registered ic number and password to login our airline ticketing system. If they decide to logout they are also able to login again to our airline ticketing system

Customer Registration Module - Yap Kah Yong

```
Enter (1 or 2 ):2
=====
|   CUSTOMER   |
=====
Do you have any Account?(y=Yes/n=No) > n
^^=====^^
||   REGISTER Module   ||
<<=====>>
>>*****[Register Your Name]=*****<<
Enter your name (Only Letter and Space): Tay Tem Hoe

>>*****[Register I/C Number]=*****<<
Enter I/C number (Format: XXXXXX-XX-XXXX): 040616-14-9094

>>*****[Register Your Gender]=*****<<
Enter your gender (Male/Female): Male

>>*****[Register Email Address]=*****<<
Enter your email address (e.g: 123@gmail.com): tayth@gmail.com

>>*****[Register Phone Number]=*****<<
Enter your phone number (e.g: XXX-XXXXXXX): 011-14143434

>>*****[Register With Password]=*****<<
Enter your password(8 digit): 87654321

>>*****[Glad To Become Part Of Us]=*****<<
-->Successfully Register Account...<--
^^=====^^
||   Log In Module   ||
<<=====>>
Enter I/C number : 040616-14-9094
Enter password to Log In: 87654321
-->Log In Successful<--

[...Tay Tem Hoe Welcome back to Airline System....]

^^=====^^
||   Customer Action   ||
^^=====^^
||  1. Search Flight   ||
||  2. View Customer Infomation ||
||  3. Book Flight Ticket ||
||  4. Display Flight Ticket ||
||  5. Logout to main menu ||
^^=====^^
Choose one action from the list >
```

When a customer enters our airline ticketing system, the customer has to answer whether they have an existing account or not. If they don't have an account they have to register an account to login to our system. After they successfully register an account, they can use their registered ic number and password to login to our airline ticketing system.

Customer Search Flight Module - Yap Kah Yong

```
^^=====^^
||      Customer Action      ||
^^=====^^

||  1. Search Flight          ||
||  2. View Customer Infomation ||
||  3. Book Flight Ticket     ||
||  4. Display Flight Ticket  ||
||  5. Logout to main menu    ||
^^=====^^

Choose one action from the list > 1

    ^^=====^^
    || Search Flight Module ||
    <<=====>>

^^=====^^      ^^=====^^
|| Departure Country || -----> || Arrival Country ||
^^=====^^      Both  ^^=====^^
||  1) Japan          <> Choose <>  1) Japan          ||
<>  2) Malaysia      || -----> ||  2) Malaysia      <>
||  3) England        <> One   <>  3) England        ||
<>  4) China          || Contry ||  4) China          <>
||  5) Australia      <> -----> <>  5) Australia    ||
^^=====^^      ^^=====^^

<====^^====>
|| Step 1 ||
<====^^====>

Select one departure country to search (1-5) : 1
Confirm [Japan] As Departure Country?(y=Yes/n=No) : y

<====**====>
<> Step 2 <>
<====**====>

Select one arrival country to search (1-5) : 2
Confirm [Malaysia] As Arrival Country?(y=Yes/n=No) : y

<====::====>
<> Step 3 <>
<====::====>

=====
|| Current Date Time: 28/09/2023 ||
=====

Input a Departure Date to search :11/11/2023
Input Date is Valid.
```

```

<>=====^ _ ^ _ ^ _ ^>=====<>
|||      Flight Search Result      |||
<>=====^ _ ^ _ ^ _ ^>=====<>
=====
||      Flight ID : F001      ||
=====
|| DepartTime    ---> ArriveTime ||
||    1330        2030    ||
||                --->         ||
|| DepartCountry   ArriveCountry ||
||    Japan        Malaysia    ||
=====
||      Economy Price : 200.00      ||
=====
||      Business Price : 400.00      ||
=====

=====
||      Flight ID : F002      ||
=====
|| DepartTime    ---> ArriveTime ||
||    1400        1800    ||
||                --->         ||
|| DepartCountry   ArriveCountry ||
||    Japan        Malaysia    ||
=====
||      Economy Price : 300.00      ||
=====
||      Business Price : 600.00      ||
=====

=====
||      Flight ID : F003      ||
=====
|| DepartTime    ---> ArriveTime ||
||    1500        1900    ||
||                --->         ||
|| DepartCountry   ArriveCountry ||
||    Japan        Malaysia    ||
=====
||      Economy Price : 400.00      ||
=====
||      Business Price : 700.00      ||
=====

```

```

3 flight record successfully found on [11/11/2023]
Continue Search Flight(y=Yes/n=No) :

```

After login to our airline ticketing system, it will lead customers to choose an action from the action list. If the customer selects 1 (search flight) from the action list, it will start prompting the customer to input departure country, arrival country, and departure date. After that, the system will generate a list of flight details (including the staff added flight) based on the customer requirement. End of this module, it will also display the total record that has been found in the flight information (including the staff added flight).

Customer View Information Module - Yap Kah Yong

```
^^=====^^
||      Customer Action      ||
^^=====^^
||  1. Search Flight         ||
||  2. View Customer Infomation ||
||  3. Book Flight Ticket    ||
||  4. Display Flight Ticket  ||
||  5. Logout to main menu   ||
^^=====^^
Choose one action from the list > 2

^^=====^^
|| Customer Infomation Module ||
<<=====>>
Name : Tay Tem Hoe
Gender : Male
Email Address : tayth@gmail.com
Phone Number : 011-14143434
Customer I/C Number : 040616-14-9094
Customer Password : 87654321
```

Attempting to reach this module, customers have to choose 2 (Customer information) from the customer action list. Therefore, the system will generate the related recorded customer information to them.

Customer Display Seat Module - Ang Wen Yee

```
+-----+
|                                     |
|               BOOKING TICKET      |
|                                     |
+-----+
```

Enter the Flight ID : F001

o = Economy Seat x = Booked Seat * = Business Seat

```
=====
      0      1      2      3
-----
1|   *   *       *   *
2|   o   o       o   o
3|   o   o       o   o
4|   o   o       o   o
5|   o   o       o   o
6|   o   o       o   o
7|   o   o       o   o
8|   o   o       o   o
=====
```

Continue to book ticket on this flight?(Y=yes/N=no) :y

Example :

Seat ID = 10(1 = row , 0 = column)

Are you continue to booking ? (Y = yes / N = no) : y

```
+=====+
|                                     |
|               BOOKING TICKET      |
|                                     |
+=====+
```

Enter the Flight ID : F006

```
o = Economy Seat    x = Booked Seat    * = Business Seat
=====
      0      1      2      3
-----
1|  *      *          *      *
2|  o      o          o      o
3|  o      o          o      o
4|  o      o          o      o
5|  o      o          o      o
6|  o      o          o      o
7|  o      o          o      o
8|  o      o          o      o
9|  o      o          o      o
=====
```

Continue to book ticket on this flight?(Y=yes/N=no) :y

Example :

Seat ID = 10(1 = row , 0 = column)

Are you continue to booking ? (Y = yes / N = no) : y

```
+=====+
|                                     |
|                                BOOKING TICKET                                |
|                                     |
+=====+
```

Enter the Flight ID : F001

```
o = Economy Seat    x = Booked Seat    * = Business Seat
=====
      0    1    2    3
-----
1|  *    x        x    *
2|  o    o        o    o
3|  o    o        o    o
4|  o    o        o    o
5|  o    o        o    o
6|  o    o        o    o
7|  o    o        o    o
8|  o    o        o    o
=====
```

Continue to book ticket on this flight?(Y=yes/N=no) :y

Example :

Seat ID = 10(1 = row , 0 = column)

In the first, customer will input the flight id to book the seat of the flight. Then the system will display all the seat status (o for economy seat, * for business seats and x for booked seats). The third image shows the seat (seat id = 11 and 12) has been booked in the first booking. After displaying the seat status, the system will ask confirmation for the customer to select another flight to book a flight ticket. If customer input y, the system will continue to book a ticket module.

Customer Booking Ticket Module - Ang Wen Yee

```
Enter your Seat ID           : 11
Enter the Passenger Name     : Tay
Enter the Passenger Passport Number : M12345678
Enter the Passenger Phone Number  : 011-13133434
```

Are you want to buy another ticket in the same Flight?(Y/N) :y

Example :

Seat ID = 10(1 = row , 0 = column)

```
Enter your Seat ID           : 12
Enter the Passenger Name     : Hoe
Enter the Passenger Passport Number : M87654321
Enter the Passenger Phone Number  : 012-2323233
```

Are you want to buy another ticket in the same Flight?(Y/N) :n

```
Enter your Seat ID           : 21
Enter the Passenger Name     : Yang
Enter the Passenger Passport Number : M98765432
Enter the Passenger Phone Number  : 016-5765666
```

Are you want to buy another ticket in the same Flight?(Y/N) :n

```
Enter your Seat ID           : 90
Enter the Passenger Name     : yu
Enter the Passenger Passport Number : K12345678
Enter the Passenger Phone Number  : 012-6776767
```

Are you want to buy another ticket in the same Flight?(Y/N) :N

In the booking ticket module, the system will ask customer to input the seat id that want to book,if the seat is selected in the same booking or booked already in the previous flight, the system will show error message.If the seat id is a available seat, the system will continue and ask customer to input the passenger information.After input all the required information,the

system will ask customer to book another ticket in the same flight. If yes, it will loop the booking ticket (1st image). If not, the system will continue to the payment module.

Customer Payment Module - Tay Tem Hoe

Confirm Booking(yes=Y /no=N) :y

Total Payment Amount: RM 800.00

```
=====
||      Bank      ||
=====
||  1. Public Bank  ||
||  2. MayBank      ||
||  3. Hong Leong Bank ||
=====
```

Chosee Bank(1 to 3) :2

Enter the card number :1234567812345678

Enter the CV Num :123

Confirm Payment(yes=y /no=n) :y

```
=====
MayBank
Payment Success!!!
|Payment ID: 1001      |
|Date: 2023-09-28     |
|Time: 20:22:48.242525900 |
|Total Amount: RM 800.0 |
|Card Number: 1234567812345678|
|CV number: 123      |
=====
```

Confirm Booking(yes=Y /no=N) :y

Total Payment Amount: RM 200.00

```
=====
||      Bank      ||
=====
||  1. Public Bank  ||
||  2. MayBank      ||
||  3. Hong Leong Bank ||
=====
```

Chosee Bank(1 to 3) :3

Enter the card number :1234567812345678

Enter the CV Num :456

Confirm Payment(yes=y /no=n) :y

```
=====
Hong Leong Bank
Payment Success!!!
|Payment ID: 1002      |
|Date: 2023-09-28     |
|Time: 20:25:59.532029100 |
|Total Amount: RM 200.0 |
|Card Number: 1234567812345678|
|CV number: 456      |
=====
```

Confirm Booking(yes=Y /no=N) :Y

Total Payment Amount: RM 700.00

```
=====
||      Bank      ||
=====
||  1. Public Bank  ||
||  2. MayBank      ||
||  3. Hong Leong Bank ||
=====
Chosee Bank(1 to 3) :2
Enter the card number :8765432187654321
Enter the CV Num :567
Confirm Payment(yes=y /no=n) :y
```

```
=====
MayBank
Payment Success!!!
|Payment ID: 1003      |
|Date: 2023-09-28     |
|Time: 20:27:34.531956|
|Total Amount: RM 700.0|
|Card Number: 8765432187654321|
|CV number: 567      |
=====
```

Payment will exist when the customer finishes booking the ticket. Before payment starts, we will ask the customer to confirm the booking. If not, the booking is canceled. If yes, the payment will start and display the total amount of all tickets that he or she booked. Then, we will ask the customer to choose the bank that he wants to use to make payments by keying in 1 to 3, and that has 3 options, such as 1 (PublicBank), 2 (MayBank), and 3 (Hong Leong Bank). The second will ask the customer to key in their card number and CV number. After that, we will ask the customer to confirm the payment. If yes, the system will generate a receipt for the customer. If not, the payment will be canceled.

The Booking cancelled

```
Confirm Booking(yes=Y /no=N) :n
Booking was cancelled...
```

The Payment cancelled

```
Confirm Payment(yes=y /no=n) :n
Payment Cancelled,see you next time. Thank you
```

Customer Display Ticket Module - Ang Wen Yee

Choose one action from the list > 4

```
+=====+
|                                     |
|                               DISPLAY TICKET                               |
|                                     |
+=====+
```

Ticket No. 1

<<----- (1) ----->>

Name : Tay
Passport : M12345678
From - To : Japan -----> Malaysia
Date : 11/11/2023 -----> 12/11/2023
Time : 1330 -----> 2030

Flight	Seat	Class	Board Till
F001	11	business	1230

<<----- (1) ----->>

Ticket No. 2

<<----- (2) ----->>

Name : Hoe
Passport : M87654321
From - To : Japan -----> Malaysia
Date : 11/11/2023 -----> 12/11/2023
Time : 1330 -----> 2030

Flight	Seat	Class	Board Till
F001	12	business	1230

<<----- (2) ----->>

```

Ticket No. 3
<<----- (3) ----->>
Name      : Yang
Passport  : M98765432
From - To : Japan      -----> Malaysia
Date      : 11/11/2023 -----> 12/11/2023
Time      : 1330       -----> 2030

Flight    Seat    Class      Board Till
-----
F001      21      economy    1230

<<----- (3) ----->>

```

```

Ticket No. 4
<<----- (4) ----->>
Name      : yu
Passport  : K12345678
From - To : Australia  -----> Japan
Date      : 16/12/2023 -----> 17/12/2023
Time      : 1500       -----> 1900

Flight    Seat    Class      Board Till
-----
F006      90      economy    1400

<<----- (4) ----->>

```

```

Enter any key to back to main menu : 1
^^=====^^
||      Customer Action      ||
^^=====^^
||  1. Search Flight        ||
||  2. View Customer Infomation ||
||  3. Book Flight Ticket   ||
||  4. Display Flight Ticket ||
||  5. Logout to main menu  ||
^^=====^^
Choose one action from the list >

```

Customer Display Ticket module will display all the flight ticket that has been book by the this customer. The system will display the passenger name, passport number, their departure and destination, date and time of the flight, flight id, seat id, seat class and boarding time. In the last, the customer need to input any character to back to the customer main menu page.