



AACS1084

Programming Concepts & Design II

Assignment

2024

Programme	:	Diploma In Information Technology
Tutorial Group	:	Group 1
Date Submitted to Tutor	:	5/5/2024





Team Members:

No	Student Name	Student ID
1.	DING WEI JIE	23WMD00418
2.	BRYAN LOW CHUN KAI	23WMD00663
3.	KOK SIONG JET	23WMD00411
4.	LEE ZI YONG	23WMD00740

No	Team Member	Task(s) Allocated	Overall Contribution (%)
1.	DING WEI JIE	Team leader, combine the whole module and debug the program in charge of the staff information module	25
2.	BRYAN LOW CHUN KAI	Assistant team leader, find the bug from the whole program and debug in charge of the member information module	25
3.	KOK SIONG JET	Team member coding for train schedule module	25
4.	LEE ZI YONG	Team member coding for train booking module	25

Coursework Declaration

We confirm that we have read and shall comply with all the terms and conditions of TAR University College's plagiarism policy. We declare that this assignment is free from all forms of plagiarism and for all intents and purposes is our own properly derived work.

Signature :	<i>DING</i>	<i>BRYAN</i>	<i>not</i>	YONG
Name :	DING WEI JIE	BRYAN LOW CHUN KAI	KOK SIONG JET	LEE ZI YONG
Photo :				
Date :	4/5/2024	4/5/2024	4/5/2024	4/5/2024

Assignment Evaluation Form

Student Name		DING WEI JIE	BRYAN LOW CHUN KAI	KOK SIONG JET	LEE ZI YONG
Module handled		staff module	member module	train schedule module	train booking module
Assessment Criteria		Marks Awarded			
Application of Programming Knowledge					
<u>Structures</u>	12				
<ul style="list-style-type: none"> • Basic + extra fields, • Use of nesting & arrays • Appropriate usage 					
<u>File Processing</u>	12				
<ul style="list-style-type: none"> • successful processing • Validation of data • Appropriate usage 					

<u>Functions</u> <ul style="list-style-type: none"> • 4 Basic file fns, • Extra file fns, useful/correct • Approp. menu design & process 	12				
<u>Others</u> <ul style="list-style-type: none"> • Use of parameters; correct usage • Subsidiary working functions • Minimized global variables 	12				
<u>Teamwork</u> <ul style="list-style-type: none"> • Main menu, logo etc • System/module integration • Report integration/content • Sharing of files, functions • Communication, cooperation 	12				
<u>Program originality, efficiency and readability</u> <ul style="list-style-type: none"> • Innovation, uniqueness • Approp. logic structures • Code Readability 	10				
<u>Report (indiv. section)</u> <ul style="list-style-type: none"> • Clarity of description • Narrated Screens for all processes (basic + extra) 	20				
<u>Penalty - Late Submission</u> <ul style="list-style-type: none"> • 1-3 days late □ -10 • 4-7 days late □ -20 >7 days late => Total mark = 0					
Subtotal (i)					
<u>Presentation</u> <ul style="list-style-type: none"> • Organization, explanation • Enthusiasm, preparedness, attitude, understanding • Q&A handling 	10				
TOTAL MARK					

Note: In addition to the late penalty, marks will also be deducted under the different categories for other reasons, eg. bad programming practices, uncooperativeness, etc.

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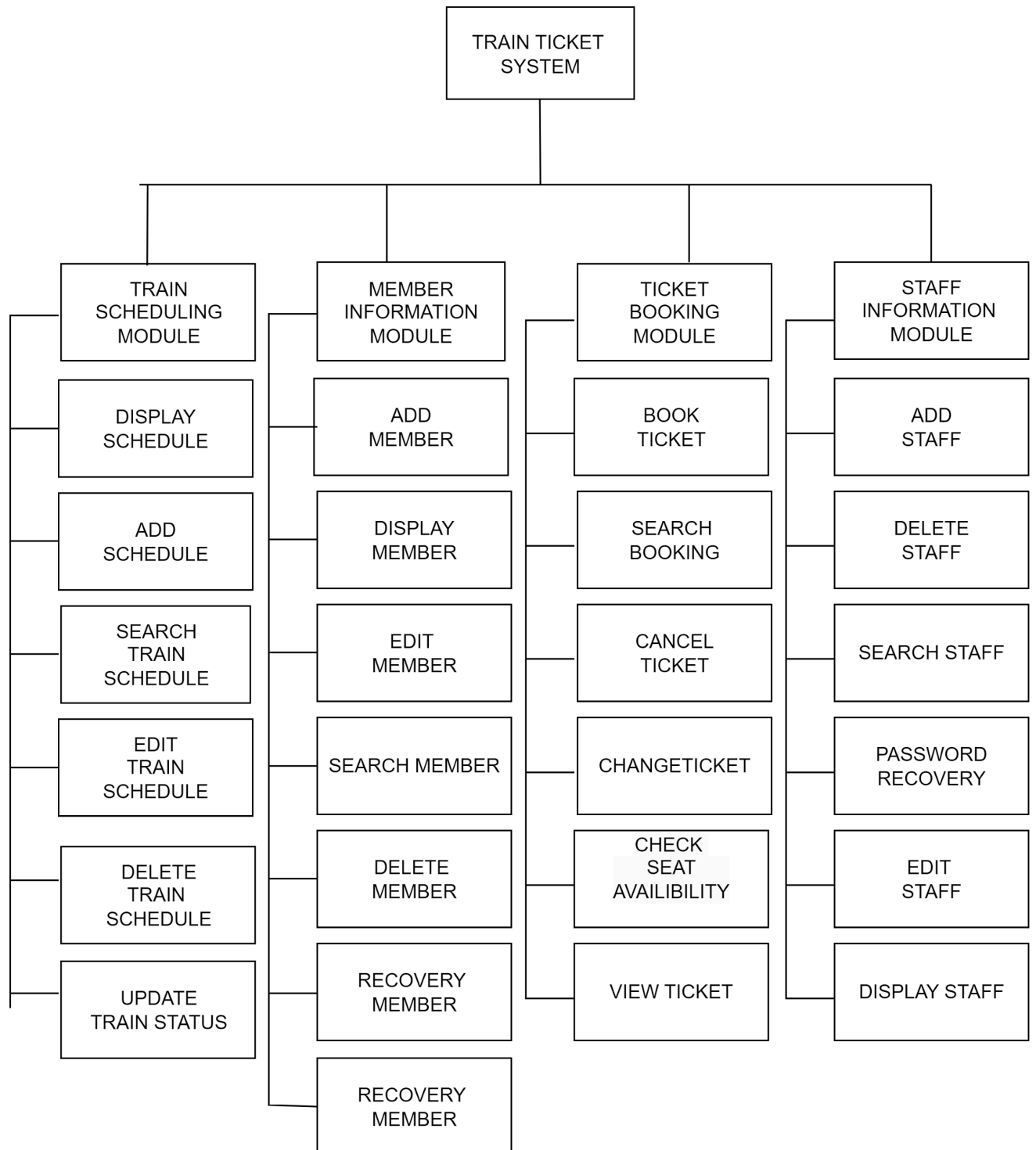
1.0 Introduction

Our team has created and implemented this console-based train ticketing system using the C programming language. Our system seeks to expedite the booking of train tickets while offering practical assistance to members and staff. To ensure that every facet of the system is fully covered, each team member creates and maintains one crucial module.

1. The management of staff login accounts and the upkeep of staff login information are the main topics of the staff information module. It guarantees the integrity and security of the ticketing process by allowing authorised staff members to access the system safely.
2. Member Information Module: The purpose of the Member Information Module is to keep up-to-date, thorough member data. Managing member logins, passwords, contact information, and booking histories falls under this category. By monitoring member data, we can tailor their experience and deliver effective service.
3. Train Scheduling Module: The Train Scheduling Module is essential for effective train schedule management. It tracks important details like departure and arrival times, locations, ticket costs, and available seats. This module ensures that members and staff have easy access to current and accurate scheduling information.
4. Ticket Booking Module: The primary purpose of the Ticket Booking Module is to make booking train tickets easier. It includes choosing the departure and booking dates, choosing a seat, processing payments, and keeping track of the status of your ticket, among other aspects of making a reservation. This module ensures that our members have a simple and easy booking process.

Every module is essential to the overall operation of our train ticketing system, adding to its effectiveness and ease of use. Through the thoughtful design of every module and utilising the C language's capabilities, our goal is to provide a dependable and sturdy solution that caters to the requirements of both members and staff.

2.0 Overall System – Module Structure Chart



3.0 HOME SCREEN

```
=====
FFFFF  A      SSSS  TTTT  K   K   L
F      A A    S      T    K   K   L
FFF   AAAAA  SSS    T    KK      L
F    A      A      S    T    K   K   L
F    A      A  SSSS  T    K    K  LLLLL
=====
-----
1)STAFF
2)MEMBER
3)EXIT
-----
ENTER YOUR CHOOSE(1,2 OR 3):|
```

Staff members can enter 1 to access the staff login page, where they can enter their staff ID and password to maintain the train schedule, staff details, and train booking.

Enter 2 lets users access the member login page using a member ID and password. After logging in as a member, users can view or search schedules, search booking history, change tickets, and maintain their own account.

Users can exit the system quickly by entering 3.

4.0 SYSTEM MODULE

4.1 STAFF INFORMATION MODULE BY DING WEI JIE

4.1.1 BRIEF DESCRIPTION

Add Staff Function

The feature allows the admin to add new staff details for login and other purpose.

Delete Staff Function

The feature allows the admin to delete specified staff details, but it's can't delete himself .

Edit Staff Function

The feature allows the editor to specify staff details if any are wrong.

Search Staff Function

The feature allows you to search some staff details by searching their name .

Display Staff Function

The feature will display all current staff details.

Staff Password Recovery Function

This feature allow staff to reset password if whom forget their password , by entering staff id and password recovery to reset password.

4.1.2 Outputs & File Contents

- **STAFF MAIN MENU**

Staff can login to their account; if they forget their password, they also have the option to reset their password.

```
=====
                        STAFF
=====
-----
1)LOGIN
2)FORGET PASSWORD
3)RETURN TO MAIN MENU
4)EXIT
-----
ENTER YOUR CHOOSE( 1,2 ,3 OR 4 ):
```

- **STAFF LOGIN**

Staff login accounts with their own staff ID and password.

```
=====
                        STAFF LOGIN
=====
-----
ENTER YOUR STAFF ID(ENTER -1 TO EXIT STAFF LOGIN PAGE):P001
ENTER YOUR PASSWORD                                     :2300418|
```

- **STAFF RECOVERY PASSWORD FUNCTION**

If staff forget their own password, they can use a recovery password to reset it. Before entering a new password, the staff needs to enter their staff ID and password recovery to verify that the correct person is able to reset the password.

```
=====
                        PASSWORD RECOVERY
=====
-----
ENTER YOUR STAFF ID          :P001
ENTER YOUR PASSWORD RECOVERY:DING
ENTER YOUR NEW PASSWORD      :23WMD00418|
```

Before resetting the password, the record is in the staff text file.

1	P001#DING WEI JIE\$2300418?DING>ADMIN&ding@gmail.com
2	P002#BRYAN LOW CHUN KAI\$2300663?LOVE MY PET>ADMIN&bryan@gmail.com
3	P003#LEE ZI YONG\$2300740?LEE>ADMIN&lee@gmail.com
4	P004#KOK SIONG JET\$2300663?LOVE>ADMIN&kok@gmail.com
5	P005#CELINA HEE\$hee123?celina>ADMIN&celina@gmail.com
6	P006#HEE LI SHEN\$li123?PET>ADMIN&hee@gmail.com
7	P007#ARNO ONG\$arno123?ONG>ADMIN&arno@gmail.com
8	P008#LIM CHIA ZEE\$lim123?chia>ADMIN&lim@gmail.com
9	P009#DING QIAO YIE\$2313638?YIE>ADMIN&yie@gmail.com
10	P010#SHAH\$SHAH123?PET>ADMIN&shah@gmail.com
11	

After resetting the password, the record is in the staff text file.

1	P001#DING WEI JIE\$23WMD00418?DING>ADMIN&ding@gmail.com
2	P002#BRYAN LOW CHUN KAI\$2300663?LOVE MY PET>ADMIN&bryan@gmail.com
3	P003#LEE ZI YONG\$2300740?LEE>ADMIN&lee@gmail.com
4	P004#KOK SIONG JET\$2300663?LOVE>ADMIN&kok@gmail.com
5	P005#CELINA HEE\$hee123?celina>ADMIN&celina@gmail.com
6	P006#HEE LI SHEN\$li123?PET>ADMIN&hee@gmail.com
7	P007#ARNO ONG\$arno123?ONG>ADMIN&arno@gmail.com
8	P008#LIM CHIA ZEE\$lim123?chia>ADMIN&lim@gmail.com
9	P009#DING QIAO YIE\$2313638?YIE>ADMIN&yie@gmail.com
10	P010#SHAH\$SHAH123?PET>ADMIN&shah@gmail.com
11	

- **STAFF MENU**

Staff can enter the choice and do any activity.

```

=====
                        STAFF MENU
=====
-----
1) ADD STAFF
2) SEARCH STAFF
3) EDIT STAFF DETAIL
4) DELETE STAFF
5) DISPLAY STAFF
6) DISPLAY TRAIN SCHEDULE
7) ADD TRAIN SCHEDULE
8) EDIT TRAIN SHCEDULE
9) UPDATE TRAIN STATUS
10)DELETE SCHEDULE
11)EDIT TICKET BOOKING
12)LOG OUT
-----
ENTER YOUR CHOOSE ( 1 - 12 ) :|

```

- **ADD STAFF FUNCTION**

My staff text file has the most recent record before adding staff.

```

1      P001#DING WEI JIE$2300418?DING>ADMIN&ding@gmail.com
2      P002#BRYAN LOW CHUN KAI$2300663?LOVE MY PET>ADMIN&bryan@gmail.com
3      P003#LEE ZI YONG$2300740?LEE>ADMIN&lee@gmail.com
4      P004#KOK SIONG JET$2300663?LOVE>ADMIN&kok@gmail.com
5      P005#CELINA HEE$hee123?celina>ADMIN&celina@gmail.com
6      P006#HEE LI SHEN$li123?PET>ADMIN&hee@gmail.com
7      P007#ARNO ONG$arno123?ONG>ADMIN&arno@gmail.com
8      P008#LIM CHIA ZEE$lim123?chia>ADMIN&lim@gmail.com
9      P009#DING QIAO YIE$2313638?YIE>ADMIN&yie@gmail.com
10     P010#SHAH$SHAH123?PET>ADMIN&shah@gmail.com
11

```

Before adding a new staff record, the staff ID will be verified against the current staff

```
=====
                        ADD STAFF
=====
ENTER -1 AT ANY PROMPT TO RETURN BACK TO MENU!!
=====
ENTER STAFF ID          : P001
STAFF ID ALREADY EXIST!!!PLEASE RE-ENTER STAFF ID
ENTER STAFF ID          : P011
ENTER NAME              : CHAN ZI TONG
ENTER PASSWORD          : CHAN123
ENTER PASSWORD RECOVER : ZI TONG
ENTER POSITION           : ADMIN
ENTER EMAIL             : chan@gmail.com
=====
DO YOU WANT TO ADD MORE Staff( Y / N ):n|
```

text record.

A newly added staff record will save to the staff text file after being added.

```
1  P001#DING WEI JIE$2300418?DING>ADMIN&ding@gmail.com
2  P002#BRYAN LOW CHUN KAI$2300663?LOVE MY PET>ADMIN&bryan@gmail.com
3  P003#LEE ZI YONG$2300740?LEE>ADMIN&lee@gmail.com
4  P004#KOK SIONG JET$2300663?LOVE>ADMIN&kok@gmail.com
5  P005#CELINA HEE$hee123?celina>ADMIN&celina@gmail.com
6  P006#HEE LI SHEN$li123?PET>ADMIN&hee@gmail.com
7  P007#ARNO ONG$arno123?ONG>ADMIN&arno@gmail.com
8  P008#LIM CHIA ZEE$lim123?chia>ADMIN&lim@gmail.com
9  P009#DING QIAO YIE$2313638?YIE>ADMIN&yie@gmail.com
10 P010#SHAH$SHAH123?PET>ADMIN&shah@gmail.com
11 P011#CHAN ZI TONG$CHAN123?ZI TONG>ADMIN &chan@gmail.com
12
```

- **SEARCH STAFF FUNCTION**

Staff are able to look up colleagues by name.

```
ENTER STAFF NAME FOR SEARCH THIER DETAILS(ENTER -1 TO RETUN BACK TO STAFF MAIN MENU:BRYAN LOW CHUN KAI
```

The system will provide the results data once they have entered their name.

```
=====
                        STAFF DETAILS
=====
STAFF ID                : P002
STAFF NAME              : BRYAN LOW CHUN KAI
STAFF PASSWORD          : 2300663
STAFF PASSWORD RECOVERY : LOVE MY PET
STAFF POSITION           : ADMIN
STAFF EMAIL             : bryan@gmail.com
=====
```

- **EDIT STAFF FUNCTION**

Staff can input their staff ID to modify other staff member data.

=====					
EDIT STAFF DETAILS					
=====					
STAFF ID	NAME	PASSWORD	PASSWORD RECOVERY	POSITION	EMAIL
=====					
P002	BRYAN LOW CHUN	KAI2300663	LOVE MY PET	ADMIN	bryan@gmail.com
P003	LEE ZI YONG	2300740	LEE	ADMIN	lee@gmail.com
P004	KOK SIONG JET	2300663	LOVE	ADMIN	kok@gmail.com
P005	CELINA HEE	hee123	celina	ADMIN	celina@gmail.com
P006	HEE LI SHEN	li123	PET	ADMIN	hee@gmail.com
P007	ARNO ONG	arno123	ONG	ADMIN	arno@gmail.com
P008	LIM CHIA ZEE	lim123	chia	ADMIN	lim@gmail.com
P009	DING QIAO YIE	2313638	YIE	ADMIN	yie@gmail.com
P010	SHAH	SHAH123	PET	ADMIN	shah@gmail.com
P011	CHAN ZI TONG	CHAN123	ZI TONG	ADMIN	chan@gmail.com
=====					
SELECT THE STAFF ID TO EDIT(-1 TO RETURN TO MENU): P011					

Before staff edit any staff details, record them in the staff text file.

1	P001#DING WEI JIE\$2300418?DING>ADMIN&ding@gmail.com
2	P002#BRYAN LOW CHUN KAI\$2300663?LOVE MY PET>ADMIN&bryan@gmail.com
3	P003#LEE ZI YONG\$2300740?LEE>ADMIN&lee@gmail.com
4	P004#KOK SIONG JET\$2300663?LOVE>ADMIN&kok@gmail.com
5	P005#CELINA HEE\$hee123?celina>ADMIN&celina@gmail.com
6	P006#HEE LI SHEN\$li123?PET>ADMIN&hee@gmail.com
7	P007#ARNO ONG\$arno123?ONG>ADMIN&arno@gmail.com
8	P008#LIM CHIA ZEE\$lim123?chia>ADMIN&lim@gmail.com
9	P009#DING QIAO YIE\$2313638?YIE>ADMIN&yie@gmail.com
10	P010#SHAH\$SHAH123?PET>ADMIN&shah@gmail.com
11	P011#CHAN ZI TONG\$CHAN123?ZI TONG>ADMIN &chan@gmail.com
12	

After selecting a staff ID to modify their details.

```
=====
                        BEFORE EDIT
=====
STAFF ID      :P011
NAME          :CHAN ZI TONG
PASSWORD      :CHAN123
PASSWORD RECOVERY:ZI TONG
POSITION      :ADMIN
EMAIL         :chan@gmail.com
=====
                        EDIT
=====
ENTER -1 AT ANY PROMPT TO RETURN BACK TO MENU!!
=====
ENTER NAME          :CHAN ZI TONG
ENTER PASSWORD      :TONG22
ENTER PASSWORD RECOVERY:ZI TONG
ENTER POSITION       :ADMIN
ENTER EMAIL         :chan@gmail.com
=====
DO YOU WANT TO CHANGE THIS DETAIL (Y/N)(-1 TO RETURN TO STAFF MENU):|
```

After confirm to change the detail , the specify record will change according input data in staff text file.

1	P001#DING WEI JIE\$2300418?DING>ADMIN&ding@gmail.com
2	P002#BRYAN LOW CHUN KAI\$2300663?LOVE MY PET>ADMIN&bryan@gmail.com
3	P003#LEE ZI YONG\$2300740?LEE>ADMIN&lee@gmail.com
4	P004#KOK SIONG JET\$2300663?LOVE>ADMIN&kok@gmail.com
5	P005#CELINA HEE\$hee123?celina>ADMIN&celina@gmail.com
6	P006#HEE LI SHEN\$li123?PET>ADMIN&hee@gmail.com
7	P007#ARNO ONG\$arno123?ONG>ADMIN&arno@gmail.com
8	P008#LIM CHIA ZEE\$lim123?chia>ADMIN&lim@gmail.com
9	P009#DING QIAO YIE\$2313638?YIE>ADMIN&yie@gmail.com
10	P010#SHAH\$SHAH123?PET>ADMIN&shah@gmail.com
11	P011#CHAN ZI TONG\$TONG22?ZI TONG>ADMIN&chan@gmail.com
12	

- DELETE STAFF FUNCTION

Staff are able to delete other staff by entering their staff ID.

DELETE STAFF					
STAFF ID	NAME	PASSWORD	PASSWORD RECOVERY	POSITION	EMAIL
P001	DING WEI JIE	2300418	DING	ADMIN	ding@gmail.com
P002	BRYAN LOW CHUN KAI	2300663	LOVE MY PET	ADMIN	bryan@gmail.com
P003	LEE ZI YONG	2300740	LEE	ADMIN	lee@gmail.com
P004	KOK SIONG JET	2300663	LOVE	ADMIN	kok@gmail.com
P005	CELINA HEE	hee123	celina	ADMIN	celina@gmail.com
P006	HEE LI SHEN	li123	PET	ADMIN	hee@gmail.com
P007	ARNO ONG	arno123	ONG	ADMIN	arno@gmail.com
P008	LIM CHIA ZEE	lim123	chia	ADMIN	lim@gmail.com
P009	DING QIAO YIE	2313638	YIE	ADMIN	yie@gmail.com
P010	SHAH	SHAH123	PET	ADMIN	shah@gmail.com
P011	CHAN ZI TONG	TONG22	ZI TONG	ADMIN	chan@gmail.com
SELECT THE STAFF ID TO DELETE (ENTER -1 TO RETURN TO STAFF MAIN MENU): P011					

Before the specified staff is deleted, the record is in the staff text file.

```
1 P001#DING WEI JIE$2300418?DING>ADMIN&ding@gmail.com
2 P002#BRYAN LOW CHUN KAI$2300663?LOVE MY PET>ADMIN&bryan@gmail.com
3 P003#LEE ZI YONG$2300740?LEE>ADMIN&lee@gmail.com
4 P004#KOK SIONG JET$2300663?LOVE>ADMIN&kok@gmail.com
5 P005#CELINA HEE$hee123?celina>ADMIN&celina@gmail.com
6 P006#HEE LI SHEN$li123?PET>ADMIN&hee@gmail.com
7 P007#ARNO ONG$arno123?ONG>ADMIN&arno@gmail.com
8 P008#LIM CHIA ZEE$lim123?chia>ADMIN&lim@gmail.com
9 P009#DING QIAO YIE$2313638?YIE>ADMIN&yie@gmail.com
10 P010#SHAH$SHAH123?PET>ADMIN&shah@gmail.com
11 P011#CHAN ZI TONG$TONG22?ZI TONG>ADMIN&chan@gmail.com
12
```

After specifying the staff being deleted, the record is in the staff text file.

```
1 P001#DING WEI JIE$2300418?DING>ADMIN&ding@gmail.com
2 P002#BRYAN LOW CHUN KAI$2300663?LOVE MY PET>ADMIN&bryan@gmail.com
3 P003#LEE ZI YONG$2300740?LEE>ADMIN&lee@gmail.com
4 P004#KOK SIONG JET$2300663?LOVE>ADMIN&kok@gmail.com
5 P005#CELINA HEE$hee123?celina>ADMIN&celina@gmail.com
6 P006#HEE LI SHEN$li123?PET>ADMIN&hee@gmail.com
7 P007#ARNO ONG$arno123?ONG>ADMIN&arno@gmail.com
8 P008#LIM CHIA ZEE$lim123?chia>ADMIN&lim@gmail.com
9 P009#DING QIAO YIE$2313638?YIE>ADMIN&yie@gmail.com
10 P010#SHAH$SHAH123?PET>ADMIN&shah@gmail.com
11
```


- **DISPLAY ALL STAFF FUNCTION**

This function is display all the staff and their details

STAFF DETAILS					
STAFF ID	NAME	PASSWORD	PASSWORD RECOVERY	POSITION	EMAIL
P001	DING WEI JIE	2300418	DING	ADMIN	ding@gmail.com
P002	BRYAN LOW CHUN KAI	2300663	LOVE MY PET	ADMIN	bryan@gmail.com
P003	LEE ZI YONG	2300740	LEE	ADMIN	lee@gmail.com
P004	KOK SIONG JET	2300663	LOVE	ADMIN	kok@gmail.com
P005	CELINA HEE	hee123	celina	ADMIN	celina@gmail.com
P006	HEE LI SHEN	li123	PET	ADMIN	hee@gmail.com
P007	ARNO ONG	arno123	ONG	ADMIN	arno@gmail.com
P008	LIM CHIA ZEE	lim123	chia	ADMIN	lim@gmail.com
P009	DING QIAO YIE	2313638	YIE	ADMIN	yie@gmail.com
P010	SHAH	SHAH123	PET	ADMIN	shah@gmail.com
ENTER -1 TO RETURN BACK TO STAFF MAIN MENU:					

4.2 MEMBER INFORMATION MODULE

4.2.1 BRIEF DESCRIPTION

memberAdd

the feature allows users to create an account in the train booking system.

memberLogin

the feature that validates user input data with file, if so, allows the user to log in. If no, it will return an error message.

searchMember

the feature that helps users search for another user and get their contact information. If found, display detail. If not found, it will return not found message.

editProfile

the feature display the user own detail and allows users to edit their details,e.g. name, phone number, password and password recovery code.

deleteMember

the feature allows users to delete their details from this train booking system

memberHelp

the feature allows users to display contact details admin from this train booking system

memberPasswRcv

the feature allows users to change their password to a new password by inputting the code they are familiar

4.2.2 OUTPUTS AND FILE CONTENTS

Member Main Page

```
=====
MEMBER
=====
1)LOG IN
2)REGISTER ACCOUNT
3)FORGET PASSWORD
4)QUIT
=====
ENTER YOUR CHOOSE(1,2,3 OR 4):|
```

Member Login

if 1 , member login

This is my text file

```
M1001$BRYAN#1?me@M143623526
M1002$Siong#qwer?you@M123456789
M1003$weijie#888545?we@M123456788
M1004$ziyong#11223344?black@M123456777
M1005$kaHoong#1433223?white@M123456666
M1006$shah#123?dft1@M123456987
M1007$cazynlim#lim567?y1s3@M123654789
M1008$celine#cp123?beauty@M143654798
M1009$junrong#jr555?hardcore@M162354789
M1010$Kent#tan666?asdf@M147236589
M1011$Sai#changyong?qwert@M13245698
M1012$CHOCO#LATE?DARK@F198975436
M10113$Taylor Swift#1243?red@F123456789
```

If not found, the same data from a file returns a message and allows the user to input again.

```
=====
MEMBER LOGIN ACCOUNT
=====
ENTER MEMBER ID:M1001
ENTER PASSWORD:123
Wrong memberID or password!!
RE-ENTER MEMBER ID (Enter -1 for return to home page):|
```

If found the exact data for password and id from a file, enter memberMenu():

```
=====
      MEMBER LOGIN ACCOUNT
=====
ENTER MEMBER ID:M1001
ENTER PASSWORD:123
Wrong memberID or password!!
RE-ENTER MEMBER ID (Enter -1 for return to home page):M1001
RE-ENTER PASSWORD:1234|
```

Member Edit Function

This is a display menu that allows users to input

```
=====
                        MEMBER MENU
=====
1)  EDIT PROFILE
2)  SEARCH MEMBER
3)  BOOKING TICKET
4)  SEARCH BOOKING
5)  EDIT TICKET
6)  CANCEL TICKET
7)  DISPLAY TICKET BOOKING
8)  SEARCH TRAIN SEAT AVAILABILITY
9)  SEARCH TRAIN SCHEDULE
10) DISPLAY WEEK SCHEDULE
11) CONTACT STAFF
12) DELETE ACCOUNT
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):
```

If input 1 will go to edit profile

```
=====
                        MEMBER PROFILE
=====
User Name           :BRYAN
Gender              :M
Password            :1234
Password Recovery   :me
Contact Number      :(+60)143623526
=====
Which is the one you wanna update?
1.User Name
2.Password
3.Contact Number
4.Password Recovery
5.Back to previous page
=====
Enter your option (1-5):
```

This page will display user details and allow users to input selections and edit them. For example, I input 3 to edit the phone number. If new contact number is different with confirmation phone will failed to change

```
=====
MEMBER PROFILE
=====
User Name      :BRYAN
Gender         :M
Password       :1234
Password Recovery:me
Contact Number  :(+60)143623526
=====
Which is the one you wanna update?
1.User Name
2.Password
3.Contact Number
4.Password Recovery
5.Back to previous page
=====
Enter your option (1-5):3
Enter new contact number (-1 back to main page):143563256
Confirm your contact number :143561156
Failed to change contact. Please try again.
```

Once you click enter, if the new contact number is the same as the confirmation contact number, it will overwrite the data that users select.

```
=====
MEMBER PROFILE
=====
User Name      :BRYAN
Gender         :M
Password       :1234
Password Recovery:me
Contact Number :(+60)143623526
=====
Which is the one you wanna update?
1.User Name
2.Password
3.Contact Number
4.Password Recovery
5.Back to previous page
=====
Enter your option (1-5):3
Enter new contact number (-1 back to main page):142363526
Confirm your contact number :142363526
Your contact number has been changed successfully

=====
MEMBER PROFILE
=====
User Name      :BRYAN
Gender         :M
Password       :1234
Password Recovery:me
Contact Number :(+60)142363526
```

This is the updated data in the text file:

```
M1001$BRYAN#1234?me@M142363526|
M1002$Siong#qwer?you@M123456789
M1003$weijie#888545?we@M123456788
M1004$ziyong#11223344?black@M123456777
M1005$kaHoong#1433223?white@M123456666
M1006$shah#123?dft1@M123456987
M1007$cazynlim#lim567?y1s3@M123654789
M1008$celine#cp123?beauty@M143654798
M1009$junrong#jr555?hardcore@M162354789
M1010$Kent#tan666?asdf@M147236589
M1011$Sai#changyong?qwert@M13245698
M1012$CHOCO#LATE?DARK@F198975436
M10113$Taylor Swift#1243?red@F123456789
```

Member Search Function

This is the member menu, and input 2 is used to search for another member in the train booking system.

```
=====
                        MEMBER MENU
=====
1)  EDIT PROFILE
2)  SEARCH MEMBER
3)  BOOKING TICKET
4)  SEARCH BOOKING
5)  EDIT TICKET
6)  CANCEL TICKET
7)  DISPLAY TICKET BOOKING
8)  SEARCH TRAIN SEAT AVAILABILITY
9)  SEARCH TRAIN SCHEDULE
10) DISPLAY WEEK SCHEDULE
11) CONTACT STAFF
12) DELETE ACCOUNT
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):2|
```



```

=====
ENTER MEMBER NAME FOR SEARCH THEIR DETAILS(ENTER -1 TO RETUN BACK TO MENU:m1002
=====
MEMBER DETAILS
=====
NO RECORD FOUND!!!!
=====
ENTER MEMBER NAME FOR SEARCH THEIR DETAILS(ENTER -1 TO RETUN BACK TO MENU:Siong
=====
MEMBER DETAILS
=====
MEMBER ID           : M1002
MEMBER NAME         : Siong
MEMBER GENDER       : M
MEMBER CONTACT      : 123456789
=====
ENTER MEMBER NAME FOR SEARCH THEIR DETAILS(ENTER -1 TO RETUN BACK TO MENU:|

```

This search function will be based on the user input name and compare data in a text file. If the same data is found, then it will be displayed. If no, it will display that no record was found. When the user wants to return to the member menu, input -1 .

Member Delete Function

If the user inputs 12, it will go to the page for deleting the account.

```

=====
MEMBER MENU
=====
1) EDIT PROFILE
2) SEARCH MEMBER
3) BOOKING TICKET
4) SEARCH BOOKING
5) EDIT TICKET
6) CANCEL TICKET
7) DISPLAY TICKET BOOKING
8) SEARCH TRAIN SEAT AVAILABILITY
9) SEARCH TRAIN SCHEDULE
10) DISPLAY WEEK SCHEDULE
11) CONTACT STAFF
12) DELETE ACCOUNT
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):12|

```

Users can input y(YES) or n(NO) for confirmation.

```
=====
MEMBER PROFILE
=====
User Name      :BRYAN
Gender         :M
Password       :1234
Password Recovery:me
Contact Number :(+60)142363526
=====
Are you confirm to delete account?(Y/N):|
```

If input n/N: the system will clear and display deletion cancelled

```
Account deletion cancelled.
=====
MEMBER MENU
=====
1) EDIT PROFILE
2) SEARCH MEMBER
3) BOOKING TICKET
4) SEARCH BOOKING
5) EDIT TICKET
6) CANCEL TICKET
7) DISPLAY TICKET BOOKING
8) SEARCH TRAIN SEAT AVAILABILITY
9) SEARCH TRAIN SCHEDULE
10) DISPLAY WEEK SCHEDULE
11) CONTACT STAFF
12) DELETE ACCOUNT
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):|
```

if input y/Y , the system page will clear ,display the account delete successful ande return to main menu

```
Member with ID M1001 has been successfully deleted.
=====
FFFFF  A      SSSS  TTTT  K   K   L
F      A A    S      T    K   K   L
FFF    AAAAA  SSS    T    KK      L
F      A      A      S    T    K   K   L
F      A      A  SSSS  T    K    K  LLLLL
=====
-----
1)STAFF
2)MEMBER
3)EXIT
-----
ENTER YOUR CHOOSE(1,2 OR 3):|
```

This is my updated text file

```
M1002$Siong#qwer?you@M123456789
M1003$weijie#888545?we@M123456788
M1004$ziyong#11223344?black@M123456777
M1005$kaHoong#1433223?white@M123456666
M1006$shah#123?dft1@M123456987
M1007$cazynlim#lim567?y1s3@M123654789
M1008$celine#cp123?beauty@M143654798
M1009$junrong#jr555?hardcore@M162354789
M1010$Kent#tan666?asdf@M147236589
M1011$Sai#changyong?qwert@M13245698
M1012$CHOCO#LATE?DARK@F198975436
M10113$Taylor Swift#1243?red@F123456789
```

Member Help Function

If input 11 will go to the page for displaying admin contact details

```
=====
                        MEMBER MENU
=====
1)  EDIT PROFILE
2)  SEARCH MEMBER
3)  BOOKING TICKET
4)  SEARCH BOOKING
5)  EDIT TICKET
6)  CANCEL TICKET
7)  DISPLAY TICKET BOOKING
8)  SEARCH TRAIN SEAT AVAILABILITY
9)  SEARCH TRAIN SCHEDULE
10) DISPLAY WEEK SCHEDULE
11) CONTACT STAFF
12) DELETE ACCOUNT
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):
```

and users can -1 for go back to member menu

```
=====
                        STAFF CONTACT
=====
PLEASE CONTANT STAFF IF FACING SOME PROBLEM
=====
NAME                POSITION          EMAIL
=====
bryan               staff            TESTER1@GMAIL.COM
ding wei jie        admin           DWJ@GMAIL.COM
siong               staff           KOKSJ.TARC.MY
ziyang              staff           NGG@EDU.MY
=====
PRESS -1 TO BACK TO MENU :|
```

```
p1001#bryan$500?staff>staff&TESTER1@GMAIL.COM
p1003#ding wei jie$222?222>admin&DWJ@GMAIL.COM
p1004#siong$me?th>staff&KOKSJ.TARC.MY
p1005#ziyang$qi?wi>staff&NGG@EDU.MY
```

If input 13 will log out and return main menu

```
=====
                        MEMBER MENU
=====
1)  EDIT PROFILE
2)  SEARCH MEMBER
3)  BOOKING TICKET
4)  SEARCH BOOKING
5)  EDIT TICKET
6)  CANCEL TICKET
7)  DISPLAY TICKET BOOKING
8)  SEARCH TRAIN SEAT AVAILABILITY
9)  SEARCH TRAIN SCHEDULE
10) DISPLAY WEEK SCHEDULE
11) CONTACT STAFF
12) DELETE ACCOUNT
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):13|
```

```
=====
FFFFF  A      SSSS  TTTT  K   K   L
F      A A    S      T    K   K   L
FFF  AAAAA  SSS     T    KK      L
F    A      A      S    T    K   K   L
F    A      A  SSSS  T    K    K  LLLLL
=====
-----
1)STAFF
2)MEMBER
3)EXIT
-----
ENTER YOUR CHOOSE(1,2 OR 3):|
```

Member Add Function

input 2 and input 2 again at the Member Portal for register the account

```
=====
                        MEMBER
=====
1)LOG IN
2)REGISTER ACCOUNT
3)FORGET PASSWORD
4)QUIT
=====
ENTER YOUR CHOOSE(1,2,3 OR 4):2
```

At the register account, if the same ID is inputted with a text file, it will return an existing message. If not allow the user to continue. Once done and entered, the complete register will go back to the Member Portal.

```
=====
                        REGISTER ACCOUNT
=====
Enter your ID:M1001
MEMBER ID ALREADY EXIST!!!PLEASE RE-ENTER MEMBER ID
Enter your ID:M1014
Enter your name:Cardi B
Enter your password:Yellow
Enter your recovery key(e.g. your favourite thing):freestyle
Enter your gender (F or M):f
Enter your phone number:0198765647
```

this is my updated text file.

```
M1001$BRYAN#1234?me@M143623526
M1002$Siong#qwer?you@M123456789
M1003$weijie#888545?we@M123456788
M1004$ziyong#11223344?black@M123456777
M1005$kahoong#1433223?white@M123456666
M1006$shah#123?dft1@M123456987
M1007$cazynlim#lim567?y1s3@M123654789
M1008$celine#cp123?beauty@M143654798
M1009$junrong#jr555?hardcore@M162354789
M1010$Kent#tan666?asdf@M147236589
M1011$Sai#changyong?qwert@M13245698
M1012$CHOCO#LATE?DARK@F198975436
M1013$Taylor Swift#1243?red@F123456789
M1014$Cardi B#Yellow?freestyle@F0198765647
```

Member Password Recovery Function

If the user forgets the password, input 3 at the Member portal to reset the password.

```
=====
MEMBER
=====
1)LOG IN
2)REGISTER ACCOUNT
3)FORGET PASSWORD
4)QUIT
=====
ENTER YOUR CHOOSE(1,2,3 OR 4):|
```

Users need to input details for password recovery. If input the incorrect data will return to the main menu.(Assume input the right data, I also return to the main menu)

```
=====
MEMBER PASSWORW RECOVERY
=====
ENTER YOUR MEMBER ID :M1001
ENTER YOUR PASSWORD RECOVERY:me
Enter your New Password:1243
=====
New Password: 1243
=====
Comfirm to change?(Y for comfirm):y|
```

the data for M1001 from1234 is change to 1243

```
M1001$BRYAN#1243?me@M143623526
M1002$Siong#qwer?you@M123456789
M1003$weijie#888545?we@M123456788
M1004$ziyong#11223344?black@M123456777
M1005$skahoong#1433223?white@M123456666
M1006$shah#123?dft1@M123456987
M1007$cazynlim#lim567?y1s3@M123654789
M1008$celine#cp123?beauty@M143654798
M1009$junrong#jr555?hardcore@M162354789
M1010$Kent#tan666?asdf@M147236589
M1011$Sai#changyong?qwert@M13245698
M1012$CHOCO#LATE?DARK@F198975436
M1013$Taylor Swift#1243?red@F123456789
M1014$Cardi B#Yellow?freestyle@F198765647
```

4.3 TRAIN SCHEDULE MODULE

4.3.1 BRIEF DESCRIPTION

Add Schedule Function

The feature allows the admin to add in a new schedule.

Edit Schedule Function

This feature allow admin to modify existing schedule

Update Status Function

Admin can update the train status through this feature

Delete Schedule Function

This feature is design to let admin delete the exist feature

Display Schedule Function

This feature allow user/admin select a choice and display all the schedule that select by user/admin

Search Schedule Function

This feature displays the result that is searched by the user.

4.3.2 OUTPUTS AND FILE CONTENTS

The 10 demo records in the bin file.

TRAIN SCHEDULE						
NO.	TRAIN_ID	FROM	TO	TIME	DAY	SEAT
[0]	T001	SETAPAK	KLCC	1400-1430	MONDAY	230
[1]	T002	KLCC	MID VALLEY	1500-1530	MONDAY	300
[2]	T003	MID VALLEY	KLANG	1100-1500	TUESDAY	350
[3]	T002	KLCC	SUNWAY	1300-1430	WEDNESDAY	300
[4]	T004	KLANG	SETAPAK	1000-1200	WEDNESDAY	370
[5]	T005	SUNWAY	MID VALLEY	1400-1430	WEDNESDAY	230
[6]	T005	SUNWAY	SETAPAK	1400-1430	THURSDAY	250
[7]	T005	SUNWAY	KLANG	1400-1430	FRIDAY	230
[8]	T005	SUNWAY	KLCC	1400-1430	SUNDAY	230
[9]	T010	SETAPAK	KLANG	1800-2000	SUNDAY	230

Add Schedule Function

In the staff menu, type ‘7’ to add train schedule.

```
=====
                        STAFF MENU
=====
-----
1) ADD STAFF
2) DELETE STAFF
3) EDIT STAFF DETAIL
4) SEARCH STAFF
5) DISPLAY STAFF
6) DISPLAY TRAIN SCHEDULE
7) ADD TRAIN SCHEDULE
8) EDIT TRAIN SHCHEDULE
9) UPDATE TRAIN STATUS
10)DELETE SCHEDULE
11)EDIT TICKET BOOKING
12)LOG OUT
-----
ENTER YOUR CHOOSE ( 1 - 12 ) :|
```

Let admin insert the train information and capture it

```

=====
|          ADD TRAIN SCHEDULE          |
=====
Train ID      : T007
Departure Station: KLCC
Arrival Station : KLANG
Departure Time (HHMM): 0930
Arrival Time (HHMM) : 1100
Available Seat  : 350

=====
                        DAYS
=====
0      -      SUNDAY
1      -      MONDAY
2      -      TUESDAY
3      -      WEDNESDAY
4      -      THUESDAY
5      -      FRIDAY
6      -      SATURDAY
=====
Day  (0 - 6)      : 6

=====
                        STATUS
=====
1      -      ON BOARD
2      -      ON SCHEDULE
3      -      DELAY
4      -      CANCEL
5      -      NONE
=====
STATUS  (1 - 5)      : 2

```

Asking admin's confirmation, type 'y/Y' will add a new schedule into train.bin, type 'n/N' will not insert the schedule that key in by admin. After Both select will return to staff Menu.

```

=====
|          CONFIRM  TRAIN SCHEDULE      |
=====

TRAIN ID      :T007
DEPARTURE FROM :KLCC
ARRIVE TO      :KLANG
DEPARTURE TIME :930
ARRIVAL TIME   :1100
AVAILABILITY SEAT:350
DAYS           :SATURDAY
STATUS         :ON SCHEDULE
Confirm to add in? (y/n): |

```

Train schedule if admin type 'n/N'

TRAIN SCHEDULE						
NO.	TRAIN_ID	FROM	TO	TIME	DAY	SEAT
[0]	T001	SETAPAK	KLCC	1400-1430	MONDAY	230
[1]	T002	KLCC	MID VALLEY	1500-1530	MONDAY	300
[2]	T003	MID VALLEY	KLANG	1100-1500	TUESDAY	350
[3]	T002	KLCC	SUNWAY	1300-1430	WEDNESDAY	300
[4]	T004	KLANG	SETAPAK	1000-1200	WEDNESDAY	370
[5]	T005	SUNWAY	MID VALLEY	1400-1430	WEDNESDAY	230
[6]	T005	SUNWAY	SETAPAK	1400-1430	THURSDAY	250
[7]	T005	SUNWAY	KLANG	1400-1430	FRIDAY	230
[8]	T005	SUNWAY	KLCC	1400-1430	SUNDAY	230
[9]	T010	SETAPAK	KLANG	1800-2000	SUNDAY	230

Train Schedule if type 'y/Y'

TRAIN SCHEDULE						
NO.	TRAIN_ID	FROM	TO	TIME	DAY	SEAT
[0]	T001	SETAPAK	KLCC	1400-1430	MONDAY	230
[1]	T002	KLCC	MID VALLEY	1500-1530	MONDAY	300
[2]	T003	MID VALLEY	KLANG	1100-1500	TUESDAY	350
[3]	T002	KLCC	SUNWAY	1300-1430	WEDNESDAY	300
[4]	T004	KLANG	SETAPAK	1000-1200	WEDNESDAY	370
[5]	T005	SUNWAY	MID VALLEY	1400-1430	WEDNESDAY	230
[6]	T005	SUNWAY	SETAPAK	1400-1430	THURSDAY	250
[7]	T005	SUNWAY	KLANG	1400-1430	FRIDAY	230
[8]	T005	SUNWAY	KLCC	1400-1430	SUNDAY	230
[9]	T010	SETAPAK	KLANG	1800-2000	SUNDAY	230
[10]	T007	KLCC	KLANG	930-1100	SATURDAY	350

Edit Schedule Function

Type '8' to edit the existing train schedule.

```

=====
                        STAFF MENU
=====
1) ADD STAFF
2) DELETE STAFF
3) EDIT STAFF DETAIL
4) SEARCH STAFF
5) DISPLAY STAFF
6) DISPLAY TRAIN SCHEDULE
7) ADD TRAIN SCHEDULE
8) EDIT TRAIN SHCHEDULE
9) UPDATE TRAIN STATUS
10)DELETE SCHEDULE
11)EDIT TICKET BOOKING
12)LOG OUT
=====
ENTER YOUR CHOOSE ( 1 - 12 ) :|

```

Display all schedule and capture admin's choice, -1 for back to staff Menu

TRAIN SCHEDULE						
NO.	TRAIN_ID	FROM	TO	TIME	DAY	SEAT
[0]	T001	SETAPAK	KLCC	1400-1430	MONDAY	230
[1]	T002	KLCC	MID VALLEY	1500-1530	MONDAY	300
[2]	T003	MID VALLEY	KLANG	1100-1500	TUESDAY	350
[3]	T002	KLCC	SUNWAY	1300-1430	WEDNESDAY	300
[4]	T004	KLANG	SETAPAK	1000-1200	WEDNESDAY	370
[5]	T005	SUNWAY	MID VALLEY	1400-1430	WEDNESDAY	230
[6]	T005	SUNWAY	SETAPAK	1400-1430	THURSDAY	250
[7]	T005	SUNWAY	KLANG	1400-1430	FRIDAY	230
[8]	T005	SUNWAY	KLCC	1400-1430	SUNDAY	230
[9]	T010	SETAPAK	KLANG	1800-2000	SUNDAY	230
[10]	T007	KLCC	KLANG	930-1100	SATURDAY	350
ENTER THE NO. TO SELECT TRAIN SCHEDULE FOR EDIT (0 - 10)(ENTER -1 GO BACK MENU):						

Showing the schedule choose by admin and ask admin which data is need to edit

EDIT DATA						
NO.	TRAIN_ID	TO	FROM	TIME	DAY	SEAT
[7]	T005	SUNWAY	KLANG	1400-1430	FRIDAY	230
SELECT TO EDIT						
1.DEPARTURE STATION						
2.ARRIVAL STATION						
3.TIME						
4.DAY						
5.SEAT						
6.BACK						
SELECT A OPTION TO EDIT :						

I use the day option as an example. The system will provide days selected after choosing the day option, the system will show the edited version of a specific schedule and ask for admin confirmation. Admin need to type 'y' or 'n'.

```

=====
                                EDIT
=====

=====
                                DAYS
=====
0      -      SUNDAY
1      -      MONDAY
2      -      TUESDAY
3      -      WEDNESDAY
4      -      THUESDAY
5      -      FRIDAY
6      -      SATURDAY
=====

ENTER DAY : 6

=====
                                CONFIRM EDIT DATA
=====
NO.  TRAIN_ID  TO      FROM      TIME      DAY      SEAT
=====
[ 7] T005      SUNWAY  KLANG    1400-1430  SATURDAY  230
=====

Are you confirm to edit this (y/n) : |

```

*If admin types 'n/N'

TRAIN SCHEDULE						
NO.	TRAIN_ID	FROM	TO	TIME	DAY	SEAT
[0]	T001	SETAPAK	KLCC	1400-1430	MONDAY	230
[1]	T002	KLCC	MID VALLEY	1500-1530	MONDAY	300
[2]	T003	MID VALLEY	KLANG	1100-1500	TUESDAY	350
[3]	T002	KLCC	SUNWAY	1300-1430	WEDNESDAY	300
[4]	T004	KLANG	SETAPAK	1000-1200	WEDNESDAY	370
[5]	T005	SUNWAY	MID VALLEY	1400-1430	WEDNESDAY	230
[6]	T005	SUNWAY	SETAPAK	1400-1430	THURSDAY	250
[7]	T005	SUNWAY	KLANG	1400-1430	FRIDAY	230
[8]	T005	SUNWAY	KLCC	1400-1430	SUNDAY	230
[9]	T010	SETAPAK	KLANG	1800-2000	SUNDAY	230
[10]	T007	KLCC	KLANG	930-1100	SATURDAY	350
ENTER THE NO. TO SELECT TRAIN SCHEDULE FOR EDIT (0 - 10)(ENTER -1 GO BACK MENU):						

The result when admin types 'y/Y'.

TRAIN SCHEDULE						
NO.	TRAIN_ID	FROM	TO	TIME	DAY	SEAT
[0]	T001	SETAPAK	KLCC	1400-1430	MONDAY	230
[1]	T002	KLCC	MID VALLEY	1500-1530	MONDAY	300
[2]	T003	MID VALLEY	KLANG	1100-1500	TUESDAY	350
[3]	T002	KLCC	SUNWAY	1300-1430	WEDNESDAY	300
[4]	T004	KLANG	SETAPAK	1000-1200	WEDNESDAY	370
[5]	T005	SUNWAY	MID VALLEY	1400-1430	WEDNESDAY	230
[6]	T005	SUNWAY	SETAPAK	1400-1430	THURSDAY	250
[7]	T005	SUNWAY	KLANG	1400-1430	SATURDAY	230
[8]	T005	SUNWAY	KLCC	1400-1430	SUNDAY	230
[9]	T010	SETAPAK	KLANG	1800-2000	SUNDAY	230
[10]	T007	KLCC	KLANG	930-1100	SATURDAY	350

Update Status Function

Type '9' for update status function

```
=====
                        STAFF MENU
=====
-----
1) ADD STAFF
2) DELETE STAFF
3) EDIT STAFF DETAIL
4) SEARCH STAFF
5) DISPLAY STAFF
6) DISPLAY TRAIN SCHEDULE
7) ADD TRAIN SCHEDULE
8) EDIT TRAIN SHCHEDULE
9) UPDATE TRAIN STATUS
10)DELETE SCHEDULE
11)EDIT TICKET BOOKING
12)LOG OUT
-----
ENTER YOUR CHOOSE ( 1 - 12 ) :|
```

As usual, system will display all the schedule to let admin do a select, type '-1' back to staff Menu

UPDATE STATUS							
NO.	TRAIN_ID	TO	FROM	TIME	DAY	SEAT	STATUS
[0]	T001	SETAPAK	KLCC	1400-1430	MONDAY	230	ONTIME
[1]	T002	KLCC	MID VALLEY	1500-1530	MONDAY	300	ONTIME
[2]	T003	MID VALLEY	KLCC	1100-1500	TUESDAY	350	ONTIME
[3]	T002	KLCC	SUNWAY	1300-1430	WEDNESDAY	300	ONTIME
[4]	T004	KLCC	SETAPAK	1000-1200	WEDNESDAY	370	ONTIME
[5]	T005	SUNWAY	MID VALLEY	1400-1430	WEDNESDAY	230	ONTIME
[6]	T005	SUNWAY	SETAPAK	1400-1430	THURSDAY	230	ONTIME
[7]	T005	SUNWAY	KLCC	1400-1430	FRIDAY	230	ONTIME
[8]	T005	SUNWAY	KLCC	1400-1430	SUNDAY	230	ONTIME
[9]	T010	SETAPAK	KLCC	1800-2000	SUNDAY	370	ONTIME
[10]	T007	KLCC	KLCC	930-1100	SATURDAY	350	ON SCHEDULE
ENTER THE NO. TO SELECT TRAIN SCHEDULE FOR EDIT (0 - 10)(ENTER -1 GO BACK MENU): 10							

After selecting, the system will display the specific schedule and show the status can be choose by admin.

EDIT STATUS							
NO.	TRAIN_ID	TO	FROM	TIME	DAY	SEAT	STATUS
[10]	T007	KLCC	KLANG	930-1100	SATURDAY	350	ON SCHEDULE
CHOOSE STATUS							
1	-	ON BOARD					
2	-	ON SCHEDULE					
3	-	DELAY					
4	-	CANCEL					
5	-	NONE					
STATUS (1 - 5) :							

The system will show the edited version of a specific schedule and ask for admin confirmation. Admin needs to type 'y' or 'n'.

```

=====
|          CONFIRM  CHANGING          |
=====

TRAIN ID      :T007
DEPARTURE FROM :KLCC
ARRIVE TO     :KLANG
DEPARTURE TIME :930
ARRIVAL TIME  :1100
AVAILABILITY SEAT:350
DAYS          :SATURDAY
STATUS        :DELAY
Are you confirm to update status (y/n) : |

```

If admin type 'y/Y', status will be updated.

NO.	TRAIN_ID	TO	FROM	TIME	DAY	SEAT	STATUS
[0]	T001	SETAPAK	KLCC	1400-1430	MONDAY	230	ONTIME
[1]	T002	KLCC	MID VALLEY	1500-1530	MONDAY	300	ONTIME
[2]	T003	MID VALLEY	KLANG	1100-1500	TUESDAY	350	ONTIME
[3]	T002	KLCC	SUNWAY	1300-1430	WEDNESDAY	300	ONTIME
[4]	T004	KLANG	SETAPAK	1000-1200	WEDNESDAY	370	ONTIME
[5]	T005	SUNWAY	MID VALLEY	1400-1430	WEDNESDAY	230	ONTIME
[6]	T005	SUNWAY	SETAPAK	1400-1430	THURSDAY	230	ONTIME
[7]	T005	SUNWAY	KLANG	1400-1430	FRIDAY	230	ONTIME
[8]	T005	SUNWAY	KLCC	1400-1430	SUNDAY	230	ONTIME
[9]	T010	SETAPAK	KLANG	1800-2000	SUNDAY	370	ONTIME
[10]	T007	KLCC	KLANG	930-1100	SATURDAY	350	DELAY

Status will not be updated when admin type 'n/N'.

UPDATE STATUS						
NO.	TRAIN_ID	TO	FROM	TIME	DAY	SEAT
[0]	T001	SETAPAK	KLCC	1400-1430	MONDAY	230
[1]	T002	KLCC	MID VALLEY	1500-1530	MONDAY	300
[2]	T003	MID VALLEY	KLCC	1100-1500	TUESDAY	350
[3]	T002	KLCC	SUNWAY	1300-1430	WEDNESDAY	300
[4]	T004	KLCC	SETAPAK	1000-1200	WEDNESDAY	370
[5]	T005	SUNWAY	MID VALLEY	1400-1430	WEDNESDAY	230
[6]	T005	SUNWAY	SETAPAK	1400-1430	THURSDAY	230
[7]	T005	SUNWAY	KLCC	1400-1430	FRIDAY	230
[8]	T005	SUNWAY	KLCC	1400-1430	SUNDAY	230
[9]	T010	SETAPAK	KLCC	1800-2000	SUNDAY	370
[10]	T007	KLCC	KLCC	930-1100	SATURDAY	350
ENTER THE NO. TO SELECT TRAIN SCHEDULE FOR EDIT (0 - 10)(ENTER -1 GO BACK MENU): 10						

Delete Schedule Function

Type '10' for access delete schedule function.

```

=====
                        STAFF MENU
=====
-----
1) ADD STAFF
2) DELETE STAFF
3) EDIT STAFF DETAIL
4) SEARCH STAFF
5) DISPLAY STAFF
6) DISPLAY TRAIN SCHEDULE
7) ADD TRAIN SCHEDULE
8) EDIT TRAIN SHCEDULE
9) UPDATE TRAIN STATUS
10)DELETE SCHEDULE
11)EDIT TICKET BOOKING
12)LOG OUT
-----
ENTER YOUR CHOOSE ( 1 - 12 ) :|

```

System provides all the schedules, type '-1' for the back Staff menu. It displays a specific schedule and lets the admin confirm the choice he makes.

```

=====
                        TRAIN SCHEDULE
=====
=====
NO.  TRAIN_ID  FROM      TO      TIME      DAY      SEAT
=====
[ 0] T001      SETAPAK   KLCC     1400-1430  MONDAY   230
[ 1] T002      KLCC     MID VALLEY 1500-1530  MONDAY   300
[ 2] T003      MID VALLEY KLANG    1100-1500  TUESDAY   350
[ 3] T002      KLCC     SUNWAY    1300-1430  WEDNESDAY 300
[ 4] T004      KLANG    SETAPAK   1000-1200  WEDNESDAY 370
[ 5] T005      SUNWAY    MID VALLEY 1400-1430  WEDNESDAY 230
[ 6] T005      SUNWAY    SETAPAK   1400-1430  THURSDAY  230
[ 7] T005      SUNWAY    KLANG     1400-1430  FRIDAY    230
[ 8] T005      SUNWAY    KLCC      1400-1430  SUNDAY    230
[ 9] T010      SETAPAK   KLANG     1800-2000  SUNDAY    370
[10] T007      KLCC     KLANG     930-1100   SATURDAY  350
=====
SELECT NO. FOR DELETE THE TRAIN SCHEDULE (0 - 10 )(ENTER -1 GO BACK MENU): 10
=====
                        CONFIRM DELETE DATA
=====
=====
NO.  TRAIN_ID  TO      FROM      TIME      DAY      SEAT
=====
[10] T007      KLCC     KLANG     930-1100   SATURDAY  350
=====
Are you confirm to delete? (y/n) : |

```

Schedule will be delete from bin file while admin type 'y/Y'

TRAIN SCHEDULE						
NO.	TRAIN_ID	FROM	TO	TIME	DAY	SEAT
[0]	T001	SETAPAK	KLCC	1400-1430	MONDAY	230
[1]	T002	KLCC	MID VALLEY	1500-1530	MONDAY	300
[2]	T003	MID VALLEY	KLANG	1100-1500	TUESDAY	350
[3]	T002	KLCC	SUNWAY	1300-1430	WEDNESDAY	300
[4]	T004	KLANG	SETAPAK	1000-1200	WEDNESDAY	370
[5]	T005	SUNWAY	MID VALLEY	1400-1430	WEDNESDAY	230
[6]	T005	SUNWAY	SETAPAK	1400-1430	THURSDAY	230
[7]	T005	SUNWAY	KLANG	1400-1430	FRIDAY	230
[8]	T005	SUNWAY	KLCC	1400-1430	SUNDAY	230
[9]	T010	SETAPAK	KLANG	1800-2000	SUNDAY	370
SELECT NO. FOR DELETE THE TRAIN SCHEDULE (0 - 9)(ENTER -1 GO BACK MENU):						

If admin type 'n/N', the schedule wont change anything

NO.	TRAIN_ID	FROM	TO	TIME	DAY	SEAT
[0]	T001	SETAPAK	KLCC	1400-1430	MONDAY	230
[1]	T002	KLCC	MID VALLEY	1500-1530	MONDAY	300
[2]	T003	MID VALLEY	KLANG	1100-1500	TUESDAY	350
[3]	T002	KLCC	SUNWAY	1300-1430	WEDNESDAY	300
[4]	T004	KLANG	SETAPAK	1000-1200	WEDNESDAY	370
[5]	T005	SUNWAY	MID VALLEY	1400-1430	WEDNESDAY	230
[6]	T005	SUNWAY	SETAPAK	1400-1430	THURSDAY	230
[7]	T005	SUNWAY	KLANG	1400-1430	FRIDAY	230
[8]	T005	SUNWAY	KLCC	1400-1430	SUNDAY	230
[9]	T010	SETAPAK	KLANG	1800-2000	SUNDAY	370
[10]	T007	KLCC	KLANG	930-1100	SATURDAY	350

Display Schedule Function

If login as a member, type '4' to view the weekly schedule

```

=====
MEMBER MENU
=====
1) EDIT PROFILE
2) BOOKING TICKET
3) DELETE ACCOUNT
4) DISPLAY WEEK SCHEDULE
5) SEARCH TRAIN SCHEDULE
6) CANCEL TICKET
7) EDIT TICKET
8) SEARCH BOOKING
9) SEARCH TRAIN SEAT AVAILABILITY
10) DISPLAY TICKET BOOKING
11) SEARCH MEMBER
12) CONTACT STAFF
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):|

```

Members can the day of the schedule that he want to view, type '8' to get back the member menu.

```

=====
WEEKLY SCHEDULE LIST
=====
1) MONDAY
2) TUESDAY
3) WEDNESDAY
4) THURSDAY
5) FRIDAY
6) SATURDAY
7) SUNDAY
8) BACK
=====
Choose the option :|

```

If the schedule of the day exists, the system will display the schedule, and type '1' to return the day selection menu.

```

=====
TUESDAY    SCHEDULE
=====
NO.  TRAIN_ID  FROM      TO        TIME      DAY        SEAT      STATUS
=====
[ 1] T003      MID VALLEY  KLANG     1100-1500  TUESDAY    350       ONTIME
=====
Press 1 back to Day Selection : |

```

If the schedule does not exist, the system will display the message to tell members it doesn't exist, and type '1' to return the day selection menu.

SATURDAY SCHEDULE							
NO.	TRAIN_ID	FROM	TO	TIME	DAY	SEAT	STATUS
There is no Train on SATURDAY...							
Press 1 back to Day Selection :							

Search Schedule Function

Type '5' to search the train schedule.

MEMBER MENU	
1)	EDIT PROFILE
2)	BOOKING TICKET
3)	DELETE ACCOUNT
4)	DISPLAY WEEK SCHEDULE
5)	SEARCH TRAIN SCHEDULE
6)	CANCEL TICKET
7)	EDIT TICKET
8)	SEARCH BOOKING
9)	SEARCH TRAIN SEAT AVAILABILITY
10)	DISPLAY TICKET BOOKING
11)	SEARCH MEMBER
12)	CONTACT STAFF
13)	LOG OUT
ENTER YOUR OPTION (1-13):	

This function allows members to key in the Departure Station for Searching. Once the member types an existing departure Station, the system will list out all the matched schedules, type '1' to get back the member menu .

SEARCH TRAIN SCHEDULE							
TYPE "-1" FOR BACK							
SEARCH DEPARTURE STATION: setapak							
SEARCH RESULT							
NO.	TRAIN_ID	FROM	TO	TIME	DAY	SEAT	STATUS
[1]	T001	SETAPAK	KLCC	1400-1430	MONDAY	230	ONTIME
[2]	T010	SETAPAK	KLANG	1800-2000	SUNDAY	370	ONTIME
Press 1 back to Search :							

Else, the system displays a message to let members know that the schedule does not exist, type '1' to get back to the member menu.

```
=====
                        SEARCH TRAIN  SCHEDULE
=====
TYPE "-1" FOR BACK
SEARCH DEPARTURE STATION: pj
=====
                        SEARCH RESULT
=====
NO.  TRAIN_ID    FROM      TO      TIME      DAY      SEAT      STATUS
=====
PJ isn't exist...
Press 1 back to Search : |
```


4.4 TRAIN BOOKING MODULE

4.4.1 BRIEF DESCRIPTION

Book Tickets Function:

Creates a new train ticket reservation.

Find Booking Function:

Finds and displays information about an existing reservation.

Cancel Ticket Function:

Cancels a previously booked train ticket.

Change Ticket Function:

Modifies details (date, passengers, etc.) of an existing ticket.

Check Seat Availability Function:

Check how many seats are open on a specific train.

View Ticket Function:

Displays a user's booked train tickets.

4.4.2 OUTPUT AND FILE CONTENTS

BOOK TICKET FUNCTION

Member menu

```
=====
                        MEMBER MENU
=====
1)  EDIT PROFILE
2)  BOOKING TICKET
3)  DELETE ACCOUNT
4)  DISPLAY WEEK SCHEDULE
5)  SEARCH TRAIN SCHEDULE
6)  CANCEL TICKET
7)  EDIT TICKET
8)  SEARCH BOOKING
9)  SEARCH TRAIN SEAT AVAILABILITY
10) DISPLAY TICKET BOOKING
11) SEARCH MEMBER
12) CONTACT STAFF
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):|
```

This is member menu after user login

Booking Page

```
=====
                        TRAIN SCHEDULE
=====
NO.  TRAIN_ID  FROM      TO      TIME      DAY
=====
[ 0] T001      SETAPAK  KLCC     1400-1430  MONDAY
[ 1] T002      KLCC     MID VALLEY 1500-1530  MONDAY
[ 2] T003      MID VALLEY KLANG    1100-1500  TUESDAY
[ 3] T002      KLCC     SUNWAY    1300-1430  WEDNESDAY
[ 4] T004      KLANG    SETAPAK    1000-1200  WEDNESDAY
[ 5] T005      SUNWAY    MID VALLEY 1400-1430  WEDNESDAY
[ 6] T005      SUNWAY    SETAPAK    1400-1430  THURSDAY
[ 7] T005      SUNWAY    KLANG      1400-1430  FRIDAY
[ 8] T005      SUNWAY    KLCC       1400-1430  SUNDAY
[ 9] T010      SETAPAK  KLANG      1800-2000  SUNDAY
=====
                        Book Ticket
=====
BOOKING ID :0
ENTER THE NO. TO BOOKING THE TICKET(0 - 9 )(ENTER -1 TO GO BACK MENU) : |
```

Once you input the integer '2', you'll be directed to the booking page where you can view all available train schedules. From there, users can select the desired train schedule for booking.

Book ticket , choose amount, confirm booking

```

=====
                                TRAIN SCHEDULE
=====
NO.  TRAIN_ID    FROM      TO        TIME      DAY
=====
[ 0] T001        SETAPAK   KLCC       1400-1430  MONDAY
[ 1] T002        KLCC      MID VALLEY 1500-1530  MONDAY
[ 2] T003        MID VALLEY KLANG      1100-1500  TUESDAY
[ 3] T002        KLCC      SUNWAY     1300-1430  WEDNESDAY
[ 4] T004        KLANG     SETAPAK    1000-1200  WEDNESDAY
[ 5] T005        SUNWAY    MID VALLEY 1400-1430  WEDNESDAY
[ 6] T005        SUNWAY    SETAPAK    1400-1430  THURSDAY
[ 7] T005        SUNWAY    KLANG      1400-1430  FRIDAY
[ 8] T005        SUNWAY    KLCC       1400-1430  SUNDAY
[ 9] T010        SETAPAK   KLANG      1800-2000  SUNDAY
=====

                                Book Ticket
=====
BOOKING ID :0
ENTER THE NO. TO BOOKING THE TICKET(0 - 9 )(ENTER -1 TO GO BACK MENU) : 0
HOW MANY SEAT TO BOOKING:2
=====
ARE YOU CONFITM TO BOOKING (Y/N):Y|

```

Once users select their desired train, they will specify the number of seats they wish to book. Upon entering the seat count, they will be prompted to confirm the booking. Once confirmed, the booking details will be saved, and a unique Booking ID will be provided to the user.

Second ticket

```

=====
                                TRAIN SCHEDULE
=====
NO.  TRAIN_ID    FROM      TO        TIME      DAY
=====
[ 0] T001        SETAPAK   KLCC       1400-1430  MONDAY
[ 1] T002        KLCC      MID VALLEY 1500-1530  MONDAY
[ 2] T003        MID VALLEY KLANG      1100-1500  TUESDAY
[ 3] T002        KLCC      SUNWAY     1300-1430  WEDNESDAY
[ 4] T004        KLANG     SETAPAK    1000-1200  WEDNESDAY
[ 5] T005        SUNWAY    MID VALLEY 1400-1430  WEDNESDAY
[ 6] T005        SUNWAY    SETAPAK    1400-1430  THURSDAY
[ 7] T005        SUNWAY    KLANG      1400-1430  FRIDAY
[ 8] T005        SUNWAY    KLCC       1400-1430  SUNDAY
[ 9] T010        SETAPAK   KLANG      1800-2000  SUNDAY
=====

                                Book Ticket
=====
BOOKING ID :1
ENTER THE NO. TO BOOKING THE TICKET(0 - 9 )(ENTER -1 TO GO BACK MENU) : 4
HOW MANY SEAT TO BOOKING:4
=====
ARE YOU CONFITM TO BOOKING (Y/N):Y|

```

This will be the second ticket I book for a clearer comprehension.

FIND BOOKING FUNCTION

Search booking

```
=====
                        MEMBER MENU
=====
1)  EDIT PROFILE
2)  BOOKING TICKET
3)  DELETE ACCOUNT
4)  DISPLAY WEEK SCHEDULE
5)  SEARCH TRAIN SCHEDULE
6)  CANCEL TICKET
7)  EDIT TICKET
8)  SEARCH BOOKING
9)  SEARCH TRAIN SEAT AVAILABILITY
10) DISPLAY TICKET BOOKING
11) SEARCH MEMBER
12) CONTACT STAFF
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):|
```

After

```
=====
                        SEARCH BOOKING
=====
ENTER THE BOOKING ID (ENTER -1 TO GO BACK MENU):0|
```

When users input the integer '8', they will be prompted to provide the booking ID.

Search booking id : 0 display booking id : 0 details

```
=====
                        SEARCH BOOKING
=====
ENTER THE BOOKING ID (ENTER -1 TO GO BACK MENU):0
=====
                        BOOKING DETAIL
=====
Booking ID : 0
Member ID  : M1001
Train ID   : T001
Seat Number: 2
=====
DO YOU WANT TO SEARCH OTHER TICKET DETAILS(Y/N):|
```

Upon inputting the booking ID, the system will present the booking details corresponding to the entered ID.

SEARCH BOOKING id : 1 display booking id : 1 details

```
=====
                        SEARCH BOOKING
=====
ENTER THE BOOKING ID (ENTER -1 TO GO BACK MENU):1
=====
                        BOOKING DETAIL
=====
Booking ID : 1
Member ID  : M1001
Train ID   : T004
Seat Number: 4
=====
DO YOU WANT TO SEARCH OTHER TICKET DETAILS(Y/N):|
```

Once the initial Booking ID is shown to the user, the system will inquire whether they wish to seek details for another ticket. This pertains to the second set of ticket details.

CHANGE TICKET FUNCTION

Edit ticket

```
=====
                        MEMBER MENU
=====
1)  EDIT PROFILE
2)  BOOKING TICKET
3)  DELETE ACCOUNT
4)  DISPLAY WEEK SCHEDULE
5)  SEARCH TRAIN SCHEDULE
6)  CANCEL TICKET
7)  EDIT TICKET
8)  SEARCH BOOKING
9)  SEARCH TRAIN SEAT AVAILABILITY
10) DISPLAY TICKET BOOKING
11) SEARCH MEMBER
12) CONTACT STAFF
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):|
```

```
=====
                        BOOKING
=====
```

NO.	BOOKING ID	TRAIN ID	FROM	TO	TIME	DAYS	SEAT
0	0	T001	SETAPAK	KLCC	1400-1430	MONDAY	2
1	1	T004	KLCC	MID VALLEY	1500-1530	MONDAY	4

```
=====
ENTER NO. TO CHANGE TICKET (ENTER -1 TO MENU): |
```

Once the user inputs the integer '7', they will proceed to the ticket editing function. Prior to that, the system will present all the booking details associated with the user. Users will then be prompted to input the ticket number they wish to modify.

Change ticket, reduce ticket from 4 to 2 for booking id : 1

```
=====
                        BOOKING
=====
```

NO.	BOOKING ID	TRAIN ID	FROM	TO	TIME	DAYS	SEAT
0	0	T001	SETAPAK	KLCC	1400-1430	MONDAY	2
1	1	T004	KLCC	MID VALLEY	1500-1530	MONDAY	4

```
=====
ENTER NO. TO CHANGE TICKET (ENTER -1 TO MENU): 1
=====
1
DO YOU WANT ADD MORE SEAT OR REDUCE SEAT: REDUCE|
```

Upon inputting the booking number, the system prompts users to specify whether they wish to increase or decrease the number of seats. Users must type "ADD MORE" or "REDUCE" to proceed accordingly.

Seat reduce

```
=====
                        SEARCH BOOKING
=====
ENTER THE BOOKING ID (ENTER -1 TO GO BACK MENU):1
=====
                        BOOKING DETAIL
=====
Booking ID : 1
Member ID  : M1001
Train ID   : T004
Seat Number: 2
=====
DO YOU WANT TO SEARH OTHER TICKET DETAILS(Y/N):|
```

Once "Enter REDUCE" is selected, users can navigate to the search booking feature to verify if there have been any changes to the seat.

CANCEL TICKET FUNCTION

Cancel ticket

```
=====
                        MEMBER MENU
=====
1)  EDIT PROFILE
2)  BOOKING TICKET
3)  DELETE ACCOUNT
4)  DISPLAY WEEK SCHEDULE
5)  SEARCH TRAIN SCHEDULE
6)  CANCEL TICKET
7)  EDIT TICKET
8)  SEARCH BOOKING
9)  SEARCH TRAIN SEAT AVAILABILITY
10) DISPLAY TICKET BOOKING
11) SEARCH MEMBER
12) CONTACT STAFF
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):|
```

```
=====
                        BOOKING
=====
```

NO.	BOOKING ID	TRAIN ID	FROM	TO	TIME	DAYS	SEAT
0	0	T001	SETAPAK	KLCC	1400-1430	MONDAY	2
1	1	T004	KLCC	MID VALLEY	1500-1530	MONDAY	2

```
=====
Enter the No. to select the booking for cancel:1|
```

After the user enters integer '6', the system will show all the booking data. users will be asked to enter which No. of booking they want to delete.

VIEW TICKET FUNCTION

View Ticket

```
=====
                        MEMBER MENU
=====
1)  EDIT PROFILE
2)  BOOKING TICKET
3)  DELETE ACCOUNT
4)  DISPLAY WEEK SCHEDULE
5)  SEARCH TRAIN SCHEDULE
6)  CANCEL TICKET
7)  EDIT TICKET
8)  SEARCH BOOKING
9)  SEARCH TRAIN SEAT AVAILABILITY
10) DISPLAY TICKET BOOKING
11) SEARCH MEMBER
12) CONTACT STAFF
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):|
```

BOOKING							
NO.	BOOKING ID	TRAIN ID	FROM	TO	TIME	DAYS	SEAT
0	0	T001	SETAPAK	KLCC	1400-1430	MONDAY	2
ENTER (-1) TO MENU):							

Following the deletion of the booking, users can proceed to the View Ticket feature. Simply input '10' to access this function. Here, users can review all tickets booked under their account.

CHECK SEAT AVAILABILITY FUNCTION

Check seat availability

```
=====
                        MEMBER MENU
=====
1)  EDIT PROFILE
2)  BOOKING TICKET
3)  DELETE ACCOUNT
4)  DISPLAY WEEK SCHEDULE
5)  SEARCH TRAIN SCHEDULE
6)  CANCEL TICKET
7)  EDIT TICKET
8)  SEARCH BOOKING
9)  SEARCH TRAIN SEAT AVAILABILITY
10) DISPLAY TICKET BOOKING
11) SEARCH MEMBER
12) CONTACT STAFF
13) LOG OUT
=====
ENTER YOUR OPTION (1-13):|
```

```

=====
                        TRAIN SCHEDULE
=====
TRAIN_ID    FROM      TO      TIME      DAY
=====
T001        SETAPAK    KLCC     1400-1430  MONDAY
T002        KLCC        MID VALLEY 1500-1530  MONDAY
T003        MID VALLEY  KLANG    1100-1500  TUESDAY
T002        KLCC        SUNWAY    1300-1430  WEDNESDAY
T004        KLANG       SETAPAK    1000-1200  WEDNESDAY
T005        SUNWAY      MID VALLEY 1400-1430  WEDNESDAY
T005        SUNWAY      SETAPAK    1400-1430  THURSDAY
T005        SUNWAY      KLANG     1400-1430  FRIDAY
T005        SUNWAY      KLCC      1400-1430  SUNDAY
T010        SETAPAK     KLANG     1800-2000  SUNDAY
=====
ENTER THE TRAIN ID FOR CHECH SEAT AVAILABILITY (ENTER '-1' TO MENU): |

```

Once the user selects '9' from the member menu, the system will display all available train schedules. If the user wishes to inquire about seat availability for a specific train, they can input the train ID to search for seat availability on that train.

```

=====
                        TRAIN SCHEDULE
=====
TRAIN_ID    FROM      TO      TIME      DAY
=====
T001        SETAPAK    KLCC     1400-1430  MONDAY
T002        KLCC        MID VALLEY 1500-1530  MONDAY
T003        MID VALLEY  KLANG    1100-1500  TUESDAY
T002        KLCC        SUNWAY    1300-1430  WEDNESDAY
T004        KLANG       SETAPAK    1000-1200  WEDNESDAY
T005        SUNWAY      MID VALLEY 1400-1430  WEDNESDAY
T005        SUNWAY      SETAPAK    1400-1430  THURSDAY
T005        SUNWAY      KLANG     1400-1430  FRIDAY
T005        SUNWAY      KLCC      1400-1430  SUNDAY
T010        SETAPAK     KLANG     1800-2000  SUNDAY
=====
ENTER THE TRAIN ID FOR CHECH SEAT AVAILABILITY (ENTER '-1' TO MENU): T001
=====
                        AVAILABLE SEATS FOR TRAINS
=====
TRAIN_ID    FROM      TO      TIME      DAY      SEAT
=====
T001        SETAPAK    KLCC     1400-1430  MONDAY    228
=====
ENTER '-1' TO MENU): |

```