



Code:

The main interface

```
/*menu1 method*/  
public static void menu1() {  
    System.out.println("*****");  
    System.out.println(" welcome to Quality & Safety Airline company system \n");  
    System.out.println("if you are an admin enter 1");  
    System.out.println("if you are a passenger enter 2");  
    System.out.println("press 3 to exit ");  
    System.out.println("*****");  
} //end of menu1 method
```

Run-Time:

```
*****  
 welcome to Quality & Safety Airline company system  
  
if you are an admin enter 1  
if you are a passenger enter 2  
press 3 to exit  
*****
```

Admin menu

```
press 1 to view Flights  
press 2 to add new flight  
press 3 to update flight  
press 4 to delete flight  
press 5 to display the passengers at specific flight  
press 0 to exit  
*****
```


Add Flight Output

```
***Entering Flights Information***
please enter the flight number:
1
please enter the source:
Dammam
please enter the destination:
Abha
please enter the day, month and year :
day:
12
month :
1
year :
2022
please enter the time of :
hour:
5
minute:
30
Please enter the price:
450
```

View Flight Output

```
*****
flight number: 1
source: Dammam
Destination: Abha
time: Fri Jan 12 05:30:00 AST 3923
Price: 450.0
_____
```

Update Flight Source

```
Enter the flight number you want to UPDATE
1
***Enter S to change the source
***Enter D to change the destination
***Enter P to change the price:
s
please enter the new source:
Jeddah
```

Update Flight Price

```
Enter the flight number you want to UPDATE
1
***Enter S to change the source
***Enter D to change the destination
***Enter P to change the price:
P
please enter the new Price:
600
```

Update Flight Destination

```
Enter the flight number you want to UPDATE
1
***Enter S to change the source
***Enter D to change the destination
***Enter P to change the price:
d
please enter the new destination:
Taif
```

View After Updating

```
*****
flight number: 1
source: Jeddah
Destination: Taif
time: Fri Jan 12 05:30:00 AST 3923
Price: 600.0
_____
```

Delete Flight

```
Enter the flight number you want to DELETE
1
The flight is SUCESSFULLY DELETED
_____
press 1 to view  Flights
press 2 to add new flight
press 3 to update flight
press 4 to delete flight
press 5 to display the passengers at specific flight
press 0 to exit
*****
1
There are no flights
_____
```

View After Delete Flight

Display list of passengers' names in specific flight

```
Enter the flight number to display its' passengers
2
```

```
Flight #2 Names List:
```

```
** norah
** Hedaya
** Fatima
```

Passenger menu

```
press 1 to register
press 2 to view available flights
press 3 to book flight
press 4 to update information
press 5 to display your information
press 0 to exit
```

```
*****
```

Register in our system

```
***Entering Passenger Information***
```

```
enter your name:
```

```
Fatima
```

```
enter your national id:
```

```
1109876543
```

```
enter your passport id:
```

```
12345
```

```
enter your email:
```

```
fatimah45
```

```
enter your phone number:
```

```
0506787
```

```
The phone number must have 10 digits
```

```
Try enter your phone number again...
```

```
0507874321
```

Display After Registering

```
**YOUR INFO**
```

```
Name: Fatima
```

```
National ID: 1109876543
```

```
Passport ID: 12345
```

```
Email: fatimah45@gmail.com
```

```
Phone number: 0507874321
```

****You must have a Gmail account to register in our system****

Update The Email

```
choose E to update your EMAIL OR P to update your PHONE NUMBER
e
your previous Email is: fatimah45@gmail.com
please Enter the new Email:
fatimaAli33@gmail.com
```

Update The Phone Number

```
choose E to update your EMAIL OR P to update your PHONE NUMBER
P
your previous Phone Number is: 0507874321
Enter the new Phone number:
0504345678
```

Display After Updating

```
_____*YOUR INFO**_____  
Name: Fatima  
National ID: 1109876543  
Passport ID: 12345  
Email: fatimaAli33@gmail.com  
Phone number: 0504345678
```

(1): Display All Available Flights

```
*****  
flight number: 1  
source: Dammam  
Destination: Abha  
time: Fri Jan 12 05:30:00 AST 3923  
  
flight number: 2  
source: Al-Ahsa  
Destination: Al-Qassim  
time: Wed Apr 04 03:45:00 AST 3923  
  
Your choosen flight is:  
|
```

(2): Display the available seats in this flight

```
Your choosen flight is:  
2  
Please choose your seat  
      A      B      C      D  
1     1      1      0      0  
2     0      0      0      0  
3     0      0      0      0  
4     0      0      0      0  
5     0      0      0      0  
6     0      0      0      0  
7     0      0      0      0  
8     0      0      0      0  
9     0      0      0      0  
10    0      0      0      0  
Please choose a class of seat (A,B,C,D) C  
  
Please choose the row number 2
```

(3): Confirm The Registration

```
Are you sure you'll confirm your booking?  
Yes for confirm, No for cancel  
yes  
Please enter the code that will be send to you to complete your confirmation:  
THE CODE IS 252  
252  
Your booking is SUCESSFULLY CONFIRMED
```

Bad Case

```
Are you sure you'll confirm your booking?  
Yes for confirm, No for cancel  
yes  
Please enter the code that will be send to you to complete your confirmation:  
THE CODE IS 986  
985  
FAILED TO CONFIRM
```