



FILGHT CHECK-IN SYSTEM

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Explain the problem

Problem:

- Manual seat counting is a time-consuming and error-prone process.
- Transportation companies lose time and money due to manual seat counting.
- Passengers experience long wait times and difficulty checking in for their trips.

Solution:

- Develop an automated check-in system to eliminate the need for manual seat counting.
- Save transportation companies time and money.
- Improve the customer experience by reducing wait times and making it easier for passengers to check in for their trips.

Benefits:

- Save time and money
- Improve the customer experience
- Make it easier to manage passenger loads and waiting lists

The system contain of main 6 functions as below :

```
@c574847a0c4c/flight_system
[root@c574847a0c4c flight_system]# bash checkin_flight_project.sh

The Check in flight system
=====
Menu:
1. Create file for flight number and numbers of passengers
2. Insert New passenger
3. Display all passenger is spasfic flight
4. Display all flight
5. Delete Flight
6. Exit
Select an option: █
```

1. Create file for flight number and numbers of passengers

Here the user will create new file for Flight and maximum seats in transportation as below screen

```
@c574847a0c4c/flight_system
[root@c574847a0c4c flight_system]# bash checkin_flight_project.sh

The Check in flight system
=====
Menu:
1. Create file for flight number and numbers of passengers
2. Insert New passenger
3. Display all passenger is spasfic flight
4. Display all flight
5. Delete Flight
6. Exit
Select an option: 1
Enter the flight number:
A110
Enter the number of passengers:
4
```

2. Insert New passenger

Users can check in a passenger by entering the flight number first. If the flight exists, the system will prompt the user to enter the passenger's name. Otherwise, the system will display a message informing the user that the flight does not exist.

```
@c574847a0c4c:/flight_system

The Check in flight system
=====
Menu:
1. Create file for flight number and numbers of passengers
2. Insert New passenger
3. Display all passenger is spasfic flight
4. Display all flight
5. Delete Flight
6. Exit
Select an option: 2
Enter the flight number:
A110
Enter the passenger name:
Ahmed
```

3. Display all passenger is spasfic flight

The system prompts the user to enter a flight number. If the flight exists, the system displays all relevant information about the flight. Otherwise, the system informs the user that the flight does not exist.

```
@c574847a0c4c:/flight_system

The Check in flight system
=====
Menu:
1. Create file for flight number and numbers of passengers
2. Insert New passenger
3. Display all passenger is spasfic flight
4. Display all flight
5. Delete Flight
6. Exit
Select an option: 3
Enter the flight number:

The flight number is
A110
The number and name of passengers are :
4
Ahmed
```

4. Display all flight

The system will display all flights

```
@c574847a0c4c:/flight_system

The Check in flight system
=====
Menu:
1. Create file for flight number and numbers of passengers
2. Insert New passenger
3. Display all passenger is spasfic flight
4. Display all flight
5. Delete Flight
6. Exit
Select an option: 4
Flights in your system:
A101
A110
F100
```

5. Delete flight

The system prompts the user to enter a flight number. If the flight exists, the system delete all relevant information about the flight. Otherwise, the system informs the user that the flight does not exist.

```
Select @c574847a0c4c:/flight_system

The Check in flight system
=====
Menu:
1. Create file for flight number and numbers of passengers
2. Insert New passenger
3. Display all passenger is spasfic flight
4. Display all flight
5. Delete Flight
6. Exit
Select an option: 5
Enter the name of the flight number to delete:
F100
Flight deleted successfully.

The Check in flight system
=====
Menu:
1. Create file for flight number and numbers of passengers
2. Insert New passenger
3. Display all passenger is spasfic flight
4. Display all flight
5. Delete Flight
6. Exit
Select an option: 4
Flights in your system:
A101
A110
```

6. Exit

Exit of the program

```
C:\ @c574847a0c4c:/flight_system
The Check in flight system
=====
Menu:
1. Create file for flight number and numbers of passengers
2. Insert New passenger
3. Display all passenger is spasfic flight
4. Display all flight
5. Delete Flight
6. Exit
Select an option: 6

Thank you for using our Flight System

Have a nice flight
[root@c574847a0c4c flight_system]#
```

Conclusion:

An automated check-in system is a valuable asset for any transportation company. It saves time and money, improves the customer experience, and makes it easier to manage passenger loads and waiting lists.