# AIRLINE RESERAVATION

## -IN C PROGRAMMING

September

# 0 2
# ABSTRACT

[ AIRLINE RESERVATION SYSTEM IS A COMPUTERIZED SYSTEM USED TO STORE AND RETRIEVE INFORMATION AND CONDUCT TRANSACTIONS RELATED TO AIR TRAVEL. THE PROJECT IS AIMED AT EXPOSING THE RELEVANCE AND IMPORTANCE OF AIRLINE RESERVATION SYSTEMS. IT IS PROJECTED TOWARDSENHANCING THE RELATIONSHIP BETWEEN CUSTOMERS AND AIRLINE AGENCIES THROUGH THE USE OF ARSS, AND THEREBY MAKING IT CONVENIENT FOR THE CUSTOMERS TO BOOK THE FLIGHTS AS WHEN THEY REQUIRE SUCH THAT THEY CAN UTILIZE THIS SOFTWARE TO MAKE RESERVATIONS.THIS SOFTWARE HAS TWO PARTS. FIRST IS USER PART AND THE ADMINISTRATOR PART. USER PART IS USED AS A FRONT END AND ADMINISTRATOR IS THE BACK END. ADMINISTRATOR IS USED BY AIRLINE AUTHORITY. IT WILL ALLOW THE CUSTOMERS TO ACCESS DATABASE AND ALLOW NEW CUSTOMERS TO SIGN UP FOR ONLINE ACCESS.THE SYSTEM ALLOWS THE AIRLINE PASSENGER TO SEARCH FOR FLIGHTS THAT ARE AVAILABLE BETWEEN THE TWO TRAVEL CITIES, NAMELY THE "DEPARTURE CITY" AND "ARRIVAL CITY" FOR A PARTICULAR DEPARTURE AND ARRIVAL DATES. THE SYSTEM DISPLAYS ALL THE FLIGHT'S DETAILS SUCH AS FLIGHT NO, NAME, PRICE AND DURATION OF JOURNEY ETC.AFTER SEARCH THE SYSTEM DISPLAY LIST OF AVAILABLE FLIGHTS AND ALLOWS CUSTOMER TO CHOOSE A PARTICULAR FLIGHT. THEN THE SYSTEM CHECKS FOR THE AVAILABILITY OF SEATS ON THE FLIGHT. IF THE SEATS ARE AVAILABLE THEN THE SYSTEM ALLOWS THE PASSENGER TO BOOK A SEAT. OTHERWISE IT ASKS THE USER TO CHOOSE ANOTHER FLIGHT.TO BOOK A FLIGHT THE SYSTEM ASKS THE CUSTOMER TO ENTER HIS DETAILS SUCH AS NAME, ADDRESS, CITY, STATE, AND CREDIT CARD NUMBER AND CONTACT NUMBER. THEN IT CHECKS THE VALIDITY OF CARD AND BOOK THE FLIGHT AND UPDATE THE AIRLINE DATABASE AND USER DATABASE. THE SYSTEM ALSO ALLOWS THE CUSTOMER TO CANCEL HIS/HER RESERVATION, IF ANY PROBLEM OCCURS.THE MAIN PURPOSE OF THIS SOFTWARE IS TO REDUCE THE MANUAL ERRORS INVOLVED IN THE AIRLINE RESERVATION PROCESS AND MAKE IT CONVENIENT FOR THE CUSTOMERS TO BOOK THE FLIGHTS AS WHEN THEY REQUIRE SUCH THAT THEY CAN UTILIZE THIS SOFTWARE TO MAKE RESERVATIONS, MODIFY RESERVATIONS OR CANCEL A PARTICULAR RESERVATION

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## DESCRPTION::

Airline reservation systems incorporate airline schedules, _fare tariffs_, passenger reservations and ticket records. An airline's direct distribution works within their own reservation system, as well as pushing out information to the GDS. The second type of direct distribution channel are consumers who use the internet or mobile applications to make their own reservations.

# OUTPUT



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Airline Seat Reservation System
--------------------------------
1. Book tickets
2. Modify tickets
3. View the booked ticket by ticket id
4. Modify Airline record
5. Check airline status
6. Cancel Ticket
7. Exit
Enter your choice: 3
Enter the ticket ID to view: 65
Ticket ID: 65
Name: Keerthan
Age: 20
Phone: 9513578426
Departure City: Mangalore
Arrival City: Tokyo
Journey Date: 12-09-2023

Airline Seat Reservation System
--------------------------------
1. Book tickets
2. Modify tickets
3. View the booked ticket by ticket id
4. Modify Airline record
5. Check airline status
6. Cancel Ticket
7. Exit
Enter your choice: 3
Enter the ticket ID to view: 29
Ticket ID: 29
Name: Luffy
Age: 19
Phone: 1234567890
Departure City: Dubai
Arrival City: Delhi
Journey Date: 13-09-2023

Airline Seat Reservation System
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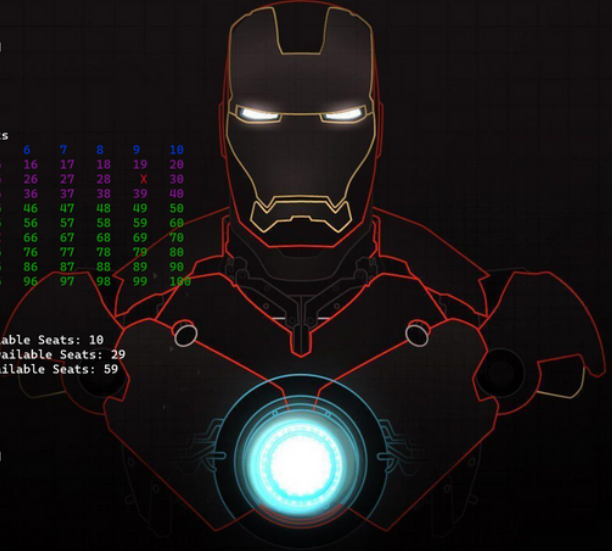


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Airline Seat Reservation System
--------------------------------
1. Book tickets
2. Modify tickets
3. View the booked ticket by ticket id
4. Modify Airline record
5. Check airline status
6. Cancel Ticket
7. Exit
Enter your choice: 5
                    Available Seats
First Class:    1    2    3    4    5    6    7    8    9    10
Business Class: 11   12   13   14   15   16   17   18   19   20
                21   22   23   24   25   26   27   28   X    30
                31   32   33   34   35   36   37   38   39   40
Economy Class:  41   42   43   44   45   46   47   48   49   50
                51   52   53   54   55   56   57   58   59   60
                61   62   63   64   X    66   67   68   69   70
                71   72   73   74   75   76   77   78   79   80
                81   82   83   84   85   86   87   88   89   90
                91   92   93   94   95   96   97   98   99   100

Airline Status:
First Class - Reserved Seats: 0, Available Seats: 10
Business Class - Reserved Seats: 1, Available Seats: 29
Economy Class - Reserved Seats: 1, Available Seats: 59

Airline Seat Reservation System
--------------------------------
1. Book tickets
2. Modify tickets
3. View the booked ticket by ticket id
4. Modify Airline record
5. Check airline status
6. Cancel Ticket
7. Exit
Enter your choice: 3
Enter the ticket ID to view: 65
Ticket ID: 65
```
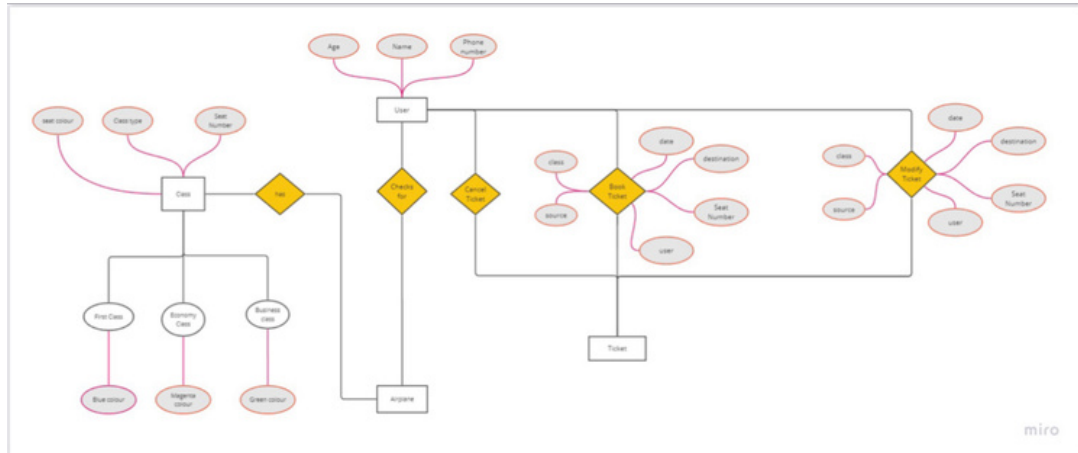
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Airline Seat Reservation System
-----------------------------------
1. Book tickets
2. Modify tickets
3. View the booked ticket by ticket id
4. Modify Airline record
5. Check airline status
6. Cancel Ticket
7. Exit
Enter your choice: 1
Select seat class:
1. First Class
2. Business Class
3. Economy Class
Enter choice: 3
                    Available Seats
First Class:     1    2    3    4    5    6    7    8    9    10
Business Class: 11   12   13   14   15   16   17   18   19   20
                21   22   23   24   25   26   27   28   29   30
                31   32   33   34   35   36   37   38   39   40
Economy Class:  41   42   43   44   45   46   47   48   49   50
                51   52   53   54   55   56   57   58   59   60
                61   62   63   64   65   66   67   68   69   70
                71   72   73   74   75   76   77   78   79   80
                81   82   83   84   85   86   87   88   89   90
                91   92   93   94   95   96   97   98   99   100

Enter the seat number you want to reserve: 65
Enter passenger name: Keerthan
Enter passenger age: 20
Enter passenger phone number: 9513578426
Enter departure city: Mangalore
Enter arrival city: Tokyo
Enter journey date: 12-09-2023
Ticket booked successfully!

Airline Seat Reservation System
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1. Book tickets
```

# MINDMAP

# FLOWCHART