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AIRLINE RESERVATION SYSTEM

IT'S ALL ABOUT SERVICES

A PROJECT REPORT ON

AIRLINE RESERVATION SYSTEM

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**DATA STRUCTURE AND ALGORITHM
CSE-2003**

Submitted to:

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Abstract:

The purpose of this section is to state the Goal and Objectives of the Software Project. The project presented here is the Airline Reservation System. Airline reservations system is an integrated passenger processing system, including inventory, fares, ticket-less operations and credit card transactions. 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 towards enhancing 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.

Keywords:

C++, ARS, reservation system, Android, airline, booking, tree , graph , stack, queue , AVL , Linked list.

Introduction:

An airline reservation system (ARS) is part of the so-called passenger service systems (PSS), which are applications supporting the direct contact with the passenger.

ARS eventually evolved into the computer reservations system (CRS). A computer reservation system is used for the reservations of a particular airline and interfaces with a global distribution system (GDS) which supports travel agencies and other distribution channels in making reservations for most major airlines in a single system.

Today all persons are busy with their schedule and no one have time to make a trip for holidays with their family. And this Airline Reservation Process is very difficult to understand in General meaning. But we are providing a Solution for that Problem.

This system provides a facility to easy access towards a customers and a real time users. They can easily connected through it and just 3 steps. There is no requirement for any type of Agent. We are giving all this facility in one project "Airline Reservation System".

Plan of Execution:

Stage 1: Ticket concept which is based on queue.

Stage 2: Baggage and luggage concept which is based on stack .

Stage 3: Time and number of flight based on graph and tree.

Features :

1. Free Account
- 2.Selection among Large no of Airways
- 3.Full detailed Flights
4. Easy to Get Flights
5. Easy to edit and view your Personal Information
- 6.User Friendly
- 7.Secure

Future Planning and Scope :

We are trying to give a live reporting which is updated by Airline Companies so that customer gets a live Flights checking, Available seats, Pricing and also planning to provide seats as per theirs choice so that they can travel very comfortably their journey. We will trying to provide food facility and choice to

customers so that they can feel like their home and more effective amenities. We are also trying to make more attention on Business class people and their requirements.

Our future planning is to take this project towards an AndroidApp and QR Code Scanning. So that a Customer can easily contact to the Airlines and they are getting quick Services from Airlines.

We also want in future to place in market so that customer can take more advantages and saves their important time. We are also finding and approaching to companies which are using this type of software.

COMPUTER SIMULATION CODES:

```
#include<iostream>
#include<iomanip>
#include<conio.h>
#include<string>
#include<windows.h>

using namespace std;

char
I_destination[5][20]={"LAHORE","ISLAMABAD","KARACHI","PESHAWAR","QUE
TTA"};

char          i_destination[10][20]={"LONDON","BERLIN","DUBAI","NEW
YORK","BEIJING","PARIS","CAPE TOWN","TOKYO","LOS ANGELES","MUMBAI" };

class mytime
{
protected:
```



```
}

if(choose==2)

{
    cout<<"|                               "<<endl;
    cout<<"| flight mytime 10 AM           "<<endl;

    cout<<"|_____"
    cout<<"|_____ " <<endl;

    cout<<"|      GOOD BYE AND HAVE A SAFE JOURNEY      "<<endl;

    cout<<"|"
    cout<<"| flight mytime 10 AM           "<<endl<<

    "|_____"
    cout<<"|_____ " <<endl<<

    "      GOOD BYE AND HAVE A SAFE JOURNEY      "<<endl;

}

if(choose==3)

{
    cout<<"|                               "<<endl;
    cout<<"| flight mytime 9 AM           "<<endl;

    cout<<"|_____"
    cout<<"|_____ " <<endl;

    cout<<"|      GOOD BYE AND HAVE A SAFE JOURNEY      "<<endl;

    cout<<"|"
    cout<<"| flight mytime 9 AM           "<<endl<<
```

```
"| _____"  
_____"<<endl<<  
"          GOOD BYE AND HAVE A SAFE JOURNEY      "<<endl;  
}  
}  
};  
  
class passenger  
{  
public:  
    virtual void getdata()  
{  
}  
}  
  
virtual void show()  
{  
}  
};  
  
class booking:public passenger  
{  
protected:  
    int num;  
    char ch;  
    char firstname[60];  
    char lastname[60];  
    char address[60];  
    char c_loc[30];  
    char dest[30];
```

```
char reservation_no[60];
int option;
public:
void getdata()
{
    cout<<setw(40)<<"\n\n      ::Please enter the required information for
passenger number:"<<endl;
    cout<<"\n\n\nEnter the firstname of passenger: ";
    cin.getline(firstname,60);
    cout<<endl;
    cout<<"Enter the lastname of passenger: ";
    cin.getline(lastname,60);
    cout<<endl<<endl;
    cout<<"Enter address of passenger: ";
    cin.getline(address,60);
    cout<<endl<<endl;
    cout<<"Enter the Resevation No. of Ticket"<<endl;
    cin.getline(reservation_no,60);
    cout<<endl;
    cout<<"Enter the current location of passenger(IN CAPITAL LETTERS ONLY): ";
    cin.getline(c_loc,60);
    cout<<endl<<endl;
    cout<<"Enter the destination of passenger(IN CAPITAL LETTERS ONLY): ";
    cin.getline(dest,60);
    cout<<endl<<endl;
    system("CLS");
}
```

```
void show()
{
    cout<<setw(40)<<"Your E-Ticket is :"<<endl;
    int t=1;
    int r=12345;
    cout<<"          AIRLINE TICKET          "<<endl;
    cout<<"| Ticket No."<<t<<"          Reference No."<<r<<"\t "<<endl;

    cout<<"| _____
    _____"<<endl;
    cout<<"| Resevation No. :"<<reservation_no<<"          "<<endl;

    cout<<"| _____
    _____"<<endl;
    cout<<"| Passenger Information :          "<<endl;
    cout<<"| Name :"<<lastname<<"/"<<firstname<<"          "<<endl;
    cout<<"|          "<<endl;
    cout<<"| Address :"<<address<<"          "<<endl;

    cout<<"| _____
    _____"<<endl;
    cout<<"| flight Information :          "<<endl;
    cout<<"| 12 aug 2011          "<<endl;
    cout<<"| BOING 747          "<<endl;

    cout<<"| _____
    _____"<<endl;
    cout<<"| Depart :"<<c_loc<<"          "<<endl;
    cout<<"| Arrive :"<<dest<<"          "<<endl;
```

```
cout<<" *BAGGAGE allowed 40 Kilos           "<<endl;  
cout<<" *contact Airline to Confirm baggage allowance      "<<endl;
```

```
cout<<"| _____" <<endl;
```

```
cout<<"          AIRLINE TICKET           "<<endl<<  
" | Ticket No."<<t<<"           Reference No."<<r<<"\t "<<endl<<
```

```
"| _____" <<endl<<
```

```
" | Resevation No. :"<<reservation_no<<"           "<<endl<<
```

```
"| _____" <<endl<<
```

```
" | Passenger Information :           "<<endl<<  
" | Name :"<<lastname<<"/"<<firstname<<"           "<<endl<<  
" |           "<<endl<<  
" | Address :"<<address<<"           "<<endl<<
```

```
"| _____" <<endl<<
```

```
" | flight Information :           "<<endl<<  
" | 12 aug 2011           "<<endl<<  
" | BOING 747           "<<endl<<
```

```
"| _____" <<endl<<
```

```
"|Depart :"<<c_loc<<"           "<<endl<<
" |Arrive :"<<dest<<"           "<<endl<<
" | *BAGGAGE allowed 40 Kilos           "<<endl<<
" | *contact Airline to Confirm baggage allowance           "<<endl<<

"|
_____
_____"<<endl;

t=t+1;
r=r+1;

};

class search
{
public:
void searching()
{
cout<<"FOLLOWING ARE THE INTERNATIONAL FLIGHTS AVAILABLE"<<endl;

for(int i=0;i<5;i++)

{

for(int j=0;j<10;j++)
```

```
{  
  
    cout<<"FLIGHT FROM "<<l_destination[i]<<" TO "<<i_destination[j]<<endl;  
}  
}  
}  
}  
};  
  
class local: public booking  
{  
  
protected:  
    int b_seat;  
  
    int e_seat;  
  
    int ch;  
  
    int k;  
  
    int p;  
  
    int option;  
  
    mytime t1;  
  
public:  
    void getdata()  
{  
  
        k=0;  
  
        p=0;  
  
        cout<<"In which AIRLINE you want to travel"<<endl<<endl;  
        cout<<"1)PIA"<<endl;  
        cout<<"2)AIR BLUE"<<endl;  
        cout<<"3)ARAB EMIRATES"<<endl;
```

```
cout<<"4)QATAR AIRWAYS"<<endl;
cout<<"enter your choice"<<endl;;
cin>>option;
system ("cls");
switch(option)
{
case 1:
if (option==1)
cout<<setw(40)<<"\n\n\n" WELCOME TO PIA"<<endl;
break;
case 2:
if(option==2)
cout<<setw(40)<<"\n\n\n" WELCOME TO AIRBLUE"<<endl;
break;
case 3:
if(option==3)
cout<<setw(40)<<"\n\n\n" WELCOME TO ARAB
EMIRATES"<<endl;
break;
case 4:
if(option==4)
cout<<setw(40)<<"\n\n\n" WELCOME TO QATAR
AIRWAYS"<<endl;
break;
}
cout<<setw(40)<<"\nTHESE ARE THE LOCAL PLACES AVAILABLE\n\n\n"<<endl;
cin.ignore();
```

```
for(int i=0;i<5;i++)
{
    cout<<l_destination[i]<<endl;
}

booking::getdata();

for(int j=0;j<5;j++)
{
    if(strcmp(l_destination[j],c_loc)==0)
    {
        k++;
    }
}

for( int i=0;i<5;i++)
{
    if(strcmp(l_destination[i],c_loc)==0)

    {
        p++;
    }
}

if(k==1&&p==1)
```

```
{
```

```
cout<<" FLIGHT AVAILABLE ON THIS ROUTE"<<endl;
```

```
b_seat=30;
```

```
e_seat=40;
```

```
cout<<"In which class you want to travel?"<<endl;
```

```
cout<<"Make your choice"<<endl<<endl;
```

```
cout<<"\n\n\n\n\n\n";
```

```
cout<<setw(60)<<"*****"<<endl;
```

```
cout<<setw(60)<<"* Press 1 for buisness class * "<<endl;
```

```
cout<<setw(60)<<"* Press 2 for economy class * "<<endl;
```

```
cout<<setw(60)<<"*****"<<endl<<endl<<endl;
```

```
cout<<"Enter your choice"<<endl;
```

```
cin>>ch;
```

```
cout<<endl;
```

```
switch(ch)
```

```
{
```

```
case 1:
```

```
b_seat--;
```

```
if(b_seat<=0)
```

```
cout<<"SORRY NO SEAT AVAILABLE"<<endl;
```

```
else
```

```
cout<<"SEAT AVAILABLE"<<endl;
```

```
break;
```

```
case 2:
```

```
e_seat--;
```

```
if(e_seat<=0)
```

```
cout<<"SORRY NO SEAT AVAILABLE"<<endl;
```

```
else
```

```
cout<<"SEAT AVAILABLE"<<endl;

break;

}

t1.getdata();

system("CLS");

booking::show();

if(ch==1)

{

cout<<"|                               "<<endl;
cout<<"| Ticket Information:           "<<endl;
cout<<"| BUISNESS CLASS                 "<<endl;

cout<<"|                               "<<endl<<
" | Ticket Information:           "<<endl<<
" | BUISNESS CLASS                 "<<endl;

}

if(ch==2)
```

```
{  
  
    cout<<"|  
    cout<<"| Ticket Information:  
    cout<<"| ECONOMY CLASS  
  
  
    cout<<"|  
    " | Ticket Information:  
    " | ECONOMY CLASS  
  
}  
  
cout<<"| Status: confirmed  
  
  
cout<<"| Status: confirmed  
t1.show();  
}  
else  
  
{  
  
    cout<<"_____  
_____"  
    cout<<"|      SORRY NO FLIGHT AVAILABLE ON THIS ROUTE RIGHT NOW  
"<<endl;
```

```
cout<<"_____  
_____"<<endl;  
  
}  
}  
};  
  
class international:public booking  
  
{  
  
protected:  
  
int b1_seat;  
  
int e1_seat;  
  
int choice;  
  
int c;  
  
int b;  
  
int v;  
  
char g;
```

```
mytime t1;

public:

void getdata()

{

b=0;

v=0;

cout<<"In which AIRLINE you want to travel"<<endl<<endl;

cout<<"1)PIA"<<endl;

cout<<"2)AIR BLUE"<<endl;

cout<<"3)ARAB EMIRATES"<<endl;

cout<<"4)QATAR AIRWAYS"<<endl;

cout<<"enter your choice"<<endl;;

cin>>option;

system ("cls");

switch(option)
```

```
{  
case 1:  
if (option==1)  
cout<<setw(40)<<"\n\n\n" WELCOME TO PIA"<<endl;  
break;  
case 2:  
if(option==2)  
cout<<setw(40)<<"\n\n\n" WELCOME TO AIRBLUE"<<endl;  
break;  
case 3:  
if(option==3)  
cout<<setw(40)<<"\n\n\n" WELCOME TO ARAB  
EMIRATES"<<endl;  
break;  
case 4:  
if(option==4)  
cout<<setw(40)<<"\n\n\n" WELCOME TO QATAR  
AIRWAYS"<<endl;  
break;  
}  
cout<<"\n\nTHESE ARE THE INTERNATIONAL PLACES  
AVAILABLE"<<endl<<endl;  
cin.ignore();  
  
for(int i=0;i<10;i++)  
  
{
```

```
cout<<i_destination[i]<<endl;

}

booking::getdata();

for(int j=0;j<10;j++)

{

if(strcmp(i_destination[j],dest)==0)

{

v++;

}

}

for( int i=0;i<5;i++)

{
```

```
if(strcmp(l_destination[i],c_loc)==0)

{

    b++;

}

}

if(b==1&&v==1)

{

    cout<<" FLIGHT AVAILABLE ON THIS ROUTE"<<endl;

    b1_seat=30;

    e1_seat=40;

    cout<<"In which class you want to travel?"<<endl;

    cout<<"Make your choice"<<endl<<endl;
```

```
cout<<"\n\n\n\n\n";  
  
cout<<setw(60)<<"*****  
cout<<setw(60)<<"*  Press 1 for buisness class  *"<<endl;  
cout<<setw(60)<<"*  Press 2 for economy class  *"<<endl;  
  
cout<<setw(60)<<"*****  
<<endl<<endl;  
  
cout<<"Enter your choice"<<endl;  
  
cin>>choice;  
  
cout<<endl;  
  
switch(choice)  
  
{  
  
case 1:  
  
    b1_seat--;  
  
    if(b1_seat<=0)
```

```
cout<<"SORRY NO SEAT AVAILABLE"<<endl;

else

cout<<"SEAT AVAILABLE"<<endl;

break;

case 2:

e1_seat--;

if(e1_seat<=0)

cout<<"SORRY NO SEAT AVAILABLE"<<endl;

else

cout<<"SEAT AVAILABLE"<<endl;

break;

}

t1.getdata();
```

```
system("CLS");

booking::show();

if(choice==1)

{

    cout<<"|                               "<<endl;
    cout<<"| Ticket Information:          "<<endl;
    cout<<"| BUISNESS CLASS                "<<endl;

    cout<<"|                               "<<endl<<
    " | Ticket Information:          "<<endl<<
    "| BUSINESS CLASS                 "<<endl;

}

if(choice==2)

{
```

```
cout<<"|" <<endl;
cout<<"| Ticket Information:" <<endl;
cout<<"| ECONOMY CLASS" <<endl;

cout<<"|" <<endl<<
"|" <<endl<<
"|" <<endl;

}

cout<<"| Status: confirmed" <<endl;
cout<<"| Status: confirmed" <<endl;

t1.show();
}

else

{

cout<<"_____"
     "_____" <<endl;
cout<<"|      SORRY NO FLIGHT AVAILABLE ON THIS ROUTE RIGHT NOW"
     "<<endl;
```

```
cout<<"_____  
_____"<<endl;  
  
}  
}  
};  
  
class main1  
  
{  
private:  
  
char f;  
  
int menu_choice;  
  
char a;  
  
public:  
  
void getdata()  
{  
m:  
cout<<"\n\n\n\n\n";  
cout<<setw(60)<<"*****"<<endl;
```

```
cout<<setw(60)<<"*      AIRWAYS RESERVATION      *"<<endl;
cout<<setw(60)<<"*      MAIN MENU      *"<<endl;
cout<<setw(60)<<"*      ENTER YOUR CHOICE      *"<<endl;
cout<<setw(60)<<"*  PRESS 1 FOR LOCAL BOOKING      *"<<endl;
cout<<setw(60)<<"*  PRESS 2 FOR INTERNATIONAL BOOKING *"<<endl;
cout<<setw(60)<<"*  PRESS 3 FOR SEARCH OF FLIGHTS  *"<<endl;
cout<<setw(60)<<"*      NOW ENTER YOUR CHOICE:      *"<<endl;
cout<<setw(60)<<"*****"<<endl;

cin>>menu_choice;

system("cls");

passenger* p1;

booking b1;

international i1;

local l1;

char back;

switch(menu_choice)
```

```
{  
  
case 1:  
  
  
p1=&l1;  
  
  
p1->getdata();  
  
  
cout<<"To Go To Main Menu Press b"<<endl;  
  
  
cin>>back;  
  
  
  
  
system("CLS");  
  
  
if (back=='b')  
  
  
{  
  
    goto m;  
  
  
}  
  
  
else
```



```
if (back=='b')

{

    goto m;

}

else

{

    cout<<"\n\n\n\n\n\n";

    cout<<setw(40)<<"BYE FROM AIR RESERVATION SYSTEM";

}

break;

case 3:

search s1;

s1.searching();
```

```
cout<<"To Go To Main Menu Press b"<<endl;

cin>>back;

system("CLS");

if (back=='b')

{

    goto m;

}

else

{

    cout<<"\n\n\n\n\n";

    cout<<setw(40)<<"BYE FROM AIR RESERVATION SYSTEM";

}
```


SNAPSHOT AND RESULT:

The screenshot shows the Dev-C++ IDE interface with the following details:

- Title Bar:** C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11
- Toolbar:** Standard Dev-C++ toolbar with icons for file operations, project management, and compilation.
- Status Bar:** Line: 746, Col: 17, Sel: 0, Lines: 757, Length: 18811, Insert, Done parsing in 2.328 seconds.
- System Tray:** Shows the date and time as 19-03-2019 23:41.

The code in the editor is as follows:

```
1 #include<iostream>
2 #include<iomanip>
3 #include<conio.h>
4 #include<string>
5 #include<windows.h>
6
7 using namespace std;
8
9     char l_destination[5][20]={"LAHORE","ISLAMABAD","KARACHI","PESHAWAR","QUETTA"};
10    |   char i_destination[10][20]={"LONDON","BERLIN","DUBAI","NEW YORK","BEIJING","PARIS","CAPE TOWN","TOKYO","LOS ANGELES","MUMBAI" };
11
12 class mytime
13 {
14     protected:
15     int choose;
16 public:
17     void getdata()
18     {
19         cout<<"ON WHICH TIME YOU WANT TO TRAVEL"<<endl;
20         cout<<"PRESS 1 FOR 11 AM"<<endl;
21         cout<<"PRESS 2 FOR 10 AM"<<endl;
22         cout<<"PRESS 3 FOR 9 AM"<<endl;
23         cin>>choose;
24     }
25     void show()
26     {
27         if(choose==1)
28         {
29             cout<<"|flight mytime 11 AM
30             |   GOOD BYE AND HAVE A SAFE JOURNEY
31             |
32             cout<<"|flight mytime 11 AM
33             |   "
34             |
35             "|flight mytime 11 AM
36             |   GOOD BYE AND HAVE A SAFE JOURNEY
37             |
38         if(choose==2)
39         {
40             cout<<"|flight mytime 10 AM
41             |   GOOD BYE AND HAVE A SAFE JOURNEY
42             |
43             cout<<"|flight mytime 10 AM
44             |   GOOD BYE AND HAVE A SAFE JOURNEY
45             |
46             "|flight mytime 10 AM
47             |   GOOD BYE AND HAVE A SAFE JOURNEY
48             |
49         if(choose==3)
50         {
51             cout<<"|flight mytime 9 AM
52             |   GOOD BYE AND HAVE A SAFE JOURNEY
53             |
54             cout<<"|flight mytime 9 AM
55             |   GOOD BYE AND HAVE A SAFE JOURNEY
56             |
57             cout<<"|flight mytime 9 AM
58             |   GOOD BYE AND HAVE A SAFE JOURNEY
59             |
60             "
61         }
62     }
63     class passenger
64     {
65     public:
66         virtual void getdata()
67     {
```

The screenshot shows the Dev-C++ IDE interface with the following details:

- Title Bar:** C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11
- Toolbar:** Standard Dev-C++ toolbar with icons for file operations, project management, and compilation.
- Status Bar:** Line: 746, Col: 17, Sel: 0, Lines: 757, Length: 18811, Insert, Done parsing in 2.328 seconds.
- System Tray:** Shows the date and time as 19-03-2019 23:41.

The code in the editor has been modified compared to the first screenshot:

```
1     |
2     |
3     |
4     |
5     |
6     |
7     |
8     |
9     |
10    |
11    |
12    |
13    |
14    |
15    |
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54    |
55    |
56    |
57    |
58    |
59    |
60    |
61    |
62    |
63    |
64    |
65    |
66    |
67    |
```

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
(globals) Untitled3.cpp
Project Classes Debug
67     virtual void getdata()
68     {
69     }
70     virtual void show()
71     {
72     }
73 }
74 class booking:public passenger
75 {
76     protected:
77     int num;
78     char ch;
79     char firstname[60];
80     char lastname[60];
81     char address[60];
82     char c_loc[30];
83     char dest[30];
84     char reservation_no[60];
85     int option;
86 public:
87     void getdata()
88     {
89         cout<<setw(40)<<"\n\n      ::Please enter the required information for passenger number::"<<endl;
90         cout<<"\n\nEnter the firstname of passenger: ";
91         cin.getline(firstname,60);
92         cout<<endl;
93         cout<<"Enter the lastname of passenger: ";
94         cin.getline(lastname,60);
95         cout<<endl<<endl;
96         cout<<"Enter address of passenger: ";
97         cin.getline(address,60);
98         cout<<endl<<endl;
99         cout<<"Enter the Reservation No. of Ticket"<<endl;
100        cin.getline(reservation_no,60);
101        cout<<endl;
Line: 746 Col: 17 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds
23:41 19-03-2019
```

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
(globals) Untitled3.cpp
Project Classes Debug
97     cin.getline(address,60);
98     cout<<endl<<endl;
99     cout<<"Enter the Resevation No. of Ticket"<<endl;
100    cin.getline(reservation_no,60);
101    cout<<endl;
102    cout<<"Enter the current location of passenger(IN CAPITAL LETTERS ONLY): ";
103    cin.getline(c_loc,60);
104    cout<<endl<<endl;
105    cout<<"Enter the destination of passenger(IN CAPITAL LETTERS ONLY): ";
106    cin.getline(dest,60);
107    cout<<endl<<endl;
108    system("CLS");
109 }
110 void show()
111 {
112     cout<<setw(40)<<"Your E-Ticket is :"<<endl;
113     int t=1;
114     int r=12345;
115     cout<<"                                     AIRLINE TICKET           Reference No."<<endl;
116     cout<<"|Ticket No. :<<<"<<endl;
117     cout<<"|             Reference No."<<<"\t"<<endl;
118     cout<<"|Resevation No. :<<reservation_no<<"<<endl;
119     cout<<"|             " <<endl;
120     cout<<"|Passenger Information :          " <<endl;
121     cout<<"|Name :<<lastname<<"/<<firstname<<"<<endl;
122     cout<<"|             " <<endl;
123     cout<<"|Address :<<address<<"<<endl;
124     cout<<"|             " <<endl;
125     | cout<<"|Flight Information :          " <<endl;
126     cout<<"|12 aug 2011                  " <<endl;
127     cout<<"|BOING 747                      " <<endl;
128     cout<<"|             " <<endl;
129     cout<<"|Depart :<<c_loc<<"<<endl;
130     cout<<"|Arrive :<<dest<<"<<endl;
131     cout<<"|*BAGGAGE allowed 40 Kilos   " <<endl;
Line: 746 Col: 17 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds
23:42 19-03-2019
```

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TDN-GCC 4.9.2 64-bit Release

Project Classes Debug Untitled3.cpp
129 cout<<"|Depart : "<<c_loc<<"          "<<endl;
130 cout<<"|Arrive : "<<dest<<"          "<<endl;
131 cout<<"|*BAGGAGE allowed 40 Kilos      "<<endl;
132 cout<<"|*contact Airline to Confirm baggage allowance
133 cout<<"|"
134
135
136 cout<<"                               AIRLINE TICKET      "<<endl<<
137 "|Ticket No."<<t<<"           Reference No."<<r<<"\t  "<<endl<<
138 "|"
139 "|Reservation No. : "<<reservation_no<<"          "<<endl<<
140 "|"
141 "|Passenger Information :
142 "|Name :"<<lastname<<"/"<<firstname<<"          "<<endl<<
143 "|"
144 "|Address :"<<address<<"          "<<endl<<
145 "|"
146 "|Flight Information :
147 "|12 aug 2011          "<<endl<<
148 "|BOING 747          "<<endl<<
149 "|"
150 "|Depart : "<<c_loc<<"          "<<endl<<
151 "|Arrive : "<<dest<<"          "<<endl<<
152 "|*BAGGAGE allowed 40 Kilos      "<<endl<<
153 "|*contact Airline to Confirm baggage allowance
154 "
155
156 t=t+1;
157 r=r+1;
158 }
159 }
160 }
161 class search
162 {
Line: 746 Col: 17 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds
23:42 19-03-2019
```

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TDN-GCC 4.9.2 64-bit Release

Project Classes Debug Untitled3.cpp
162 class search
163 {
164 public:
165 void searching()
166 {
167 cout<<"FOLLOWING ARE THE INTERNATIONAL FLIGHTS AVAILABLE"<<endl;
168
169 for(int i=0;i<5;i++)
170 {
171
172 for(int j=0;j<10;j++)
173 {
174
175 cout<<"FLIGHT FROM "<<l_destination[i]<<" TO "<<i_destination[j]<<endl;
176
177 }
178 }
179 }
180 }
181 };
182 class local: public booking
183 {
184 protected:
185 int b_seat;
186 int e_seat;
187 int ch;
188 int k;
189 int p;
190 int option;
191 mytime t1;
192 public:
193 void getdata()
194 {
195 k=0;
196 p=0;
Line: 746 Col: 17 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds
23:43 19-03-2019
```

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TDN-GCC 4.9.2 64-bit Release

Project Classes Debug Untitled3.cpp
195     k=0;
196     p=0;
197     cout<<"In which AIRLINE you want to travel"<<endl<<endl;
198     cout<<"1)PIA"<<endl;
199     cout<<"2)AIR BLUE"<<endl;
200     cout<<"3)ARAB EMIRATES"<<endl;
201     cout<<"4)QATAR AIRWAYS"<<endl;
202     cout<<"enter your choice"<<endl;
203     cin>>option;
204     system ("cls");
205     switch(option)
206     {
207     case 1:
208         if (option==1)
209             cout<<setw(40)<<"\n\n\n";
210         break;
211     case 2:
212         if(option==2)
213             cout<<setw(40)<<"\n\n\n";
214         break;
215     case 3:
216         if(option==3)
217             cout<<setw(40)<<"\n\n\n";
218         break;
219     case 4:
220         if(option==4)
221             cout<<setw(40)<<"\n\n\n";
222         break;
223     }
224     cout<<setw(40)<<"THESE ARE THE LOCAL PLACES AVAILABLE\n\n\n";
225     cin.ignore();
226     for(int i=0;i<5;i++)
227     {
228         cout<<l_destination[i]<<endl;
229     }
}

Line: 746 Col: 17 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds
Windows Type here to search E V S I C M P W DEV ENG 23:43 19-03-2019
```

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TDN-GCC 4.9.2 64-bit Release

Project Classes Debug Untitled3.cpp
228     cout<<l_destination[i]<<endl;
229
230     booking::getdata();
231     for(int j=0;j<5;j++)
232     {
233         if(strcmp(l_destination[j],c_loc)==0)
234         {
235             k++;
236         }
237     }
238
239     for( int i=0;i<5;i++)
240     {
241         if(strcmp(l_destination[i],c_loc)==0)
242         {
243             p++;
244         }
245     }
246
247
248
249
250     if(k==1&&p==1)
251     {
252
253         cout<<" FLIGHT AVAILABLE ON THIS ROUTE"<<endl;
254
255         b_seat=30;
256
257         e_seat=40;
258
259         cout<<"In which class you want to travel?"<<endl;
260
261         cout<<"Make your choice"<<endl<<endl;
262     }
}

Line: 746 Col: 17 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds
Windows Type here to search E V S I C M P W DEV ENG 23:43 19-03-2019
```

The screenshot shows the Code::Blocks IDE interface with the following details:

- Title Bar:** C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11
- Toolbar:** File, Edit, Search, View, Project, Execute, Tools, AStyle, Window, Help.
- Project Manager:** Shows "globals" under the Project tab.
- Code Editor:** Displays the content of Untitled3.cpp. The code handles user input for seat booking, displaying options for business and economy classes and checking seat availability.

```
261 cout<<"Make your choice" << endl << endl;
262 cout<<"\n\n\n\n\n";
263
264 cout<<setw(60)<<"*****" << endl;
265 cout<<setw(60)<<"* Press 1 for business class *" << endl;
266 cout<<setw(60)<<"* Press 2 for economy class *" << endl;
267 cout<<setw(60)<<"*****" << endl << endl << endl;
268
269 cout<<"Enter your choice" << endl;
270
271 cin>>ch;
272
273 cout<<endl;
274 switch(ch)
275 {
276     case 1:
277         b_seat--;
278         if(b_seat<=0)
279             cout<<"SORRY NO SEAT AVAILABLE" << endl;
280         else
281             cout<<"SEAT AVAILABLE" << endl;
282         break;
283     case 2:
284 }
285
286 cout<<endl;
287
288 cout<<endl;
289
290 cout<<endl;
291
292 cout<<endl;
293
294 cout<<endl;
295
```

- Status Bar:** Line: 262, Col: 15, Sel: 0, Lines: 757, Length: 18811, Insert, Done parsing in 2.328 seconds.
- Taskbar:** Icons for File Explorer, Command Prompt, VLC, Task View, Google Chrome, FileZilla, and others.
- System Tray:** Icons for battery, signal strength, volume, and language (ENG) set to English, dated 19-03-2019 at 23:44.

The screenshot shows the Dev-C++ IDE interface with the following details:

- Title Bar:** C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11
- Menu Bar:** File, Edit, Search, View, Project, Execute, Tools, AStyle, Window, Help
- Toolbar:** Standard Dev-C++ toolbar.
- Project Tab:** Project, Classes, Debug (Untitled3.cpp is selected).
- Code Editor:** Displays the following C++ code:

```
294 case 2:
295     e_seat--;
296
297     if(e_seat<=0)
298         cout<<"SORRY NO SEAT AVAILABLE" << endl;
299     else
300         cout<<"SEAT AVAILABLE" << endl;
301     break;
302 }
303 t1.getdata();
304 system("CLS");
305 booking::show();
306 if(ch==1)
307 {
308     cout<<"";
309     cout<<"Ticket Information: ";
310     cout<<"BUSINESS CLASS "
311     << endl;
312
313     cout<<"";
314     cout<<"|Ticket Information: ";
315     cout<<"|BUSINESS CLASS "
316     << endl;
317
318     cout<<"";
319     cout<<"|BUSINESS CLASS "
320     << endl;
321
322     cout<<"";
323     cout<<"|Ticket Information: ";
324     cout<<"|BUSINESS CLASS "
325     << endl;
326
327     if(ch==2)
```

- Status Bar:** Line: 262, Col: 15, Sel: 0, Lines: 757, Length: 18811, Insert, Done parsing in 2.328 seconds.
- Taskbar:** Shows icons for File Explorer, Edge, File Manager, Task View, Google Chrome, FileZilla, DEV-C++, and others.
- System Tray:** Shows battery level, signal strength, volume, and date/time (19-03-2019, 23:45).

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TDN-GCC 4.9.2 64-bit Release

Project Classes Debug Untitled3.cpp
336 cout<<"|Ticket Information:
337     |" ECONOMY CLASS
338 }
339
340 cout<<"|Status: confirmed
341
342 cout<<"|Status: confirmed
343 t1.show();
344
345 else
346 {
347     cout<<"SORRY NO FLIGHT AVAILABLE ON THIS ROUTE RIGHT NOW"
348 }
349
350 class international:public booking
351 {
352 protected:
353     int bl_seat;
354     int ei_seat;
355     int choice;
356 }
```

Line: 262 Col: 15 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds

Windows Start Type here to search Taskbar 23:45 19-03-2019

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TDN-GCC 4.9.2 64-bit Release

Project Classes Debug Untitled3.cpp
378 mytime t1;
379
380
381 public:
382
383 void getdata()
384 {
385     b=0;
386     v=0;
387
388     cout<<"In which AIRLINE you want to travel"<<endl<<endl;
389     cout<<"1)PIA"<<endl;
390     cout<<"2)AIR BLUE"<<endl;
391     cout<<"3)ARAB EMIRATES"<<endl;
392     cout<<"4)QATAR AIRWAYS"<<endl;
393     cout<<"enter your choice"<<endl;;
394     cin>>option;
395
396     system ("cls");
397
398     switch(option)
399     {
400         case 1:
401             if (option==1)
402                 cout<<setw(40)<<"\n\n\n";
403             break;
404         case 2:
405             if(option==2)
406                 cout<<setw(40)<<"\n\n\n";
407             break;
408     }
409 }
```

Line: 262 Col: 15 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds

Windows Start Type here to search Taskbar 23:56 19-03-2019

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
(globals) Untitled3.cpp
Project Classes Debug
411 cout<<setw(40)<<"\n\n\n"
412 break;
413 case 3:
414 if(option==3)
415 cout<<setw(40)<<"\n\n\n"
416 break;
417 case 4:
418 if(option==4)
419 cout<<setw(40)<<"\n\n\n"
420 break;
421 cout<<"\n\nTHESE ARE THE INTERNATIONAL PLACES AVAILABLE"<<endl<<endl;
422 cin.ignore();
423
424 for(int i=0;i<10;i++)
425 {
426
427 cout<<i_destination[i]<<endl;
428
429 }
430
431 booking::getdata();
432
433 for(int j=0;j<10;j++)
434 {
435
436 if(strcmp(i_destination[j],dest)==0)
437 {
438
439 v++;
440
441
442
443
444
445 }
```

Line: 262 Col: 15 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds

Type here to search

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
(globals) Untitled3.cpp
Project Classes Debug
444
445 v++;
446
447
448
449 }
450 for( int i=0;i<5;i++)
451 {
452
453
454 if(strcmp(l_destination[i],c_loc)==0)
455 {
456
457 b++;
458
459
460
461
462
463
464
465
466
467
468
469 cout<<" FLIGHT AVAILABLE ON THIS ROUTE"<<endl;
470 bl_seat=30;
471 el_seat=40;
472 cout<<"In which class you want to travel?"<<endl;
473
474
475
476
477
478 }
```

Line: 262 Col: 15 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds

Type here to search

```
C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug Untitled3.cpp
477
478 cout<<"Make your choice"<<endl<<endl;
479
480 cout<<"\n\n\n\n\n\n";
481
482 cout<<setw(60)<<"*****" <<endl;
483 | cout<<setw(60)<<" Press 1 for business class   "*<<endl;
484 cout<<setw(60)<<"          Press 2 for economy class    "*<<endl;
485 cout<<setw(60)<<"*****" <<endl<<endl<<endl;
486
487 cout<<"Enter your choice"<<endl;
488
489 cin>>choice;
490
491 cout<<endl;
492
493 switch(choice)
494 {
495
496     case 1:
497         b1_seat--;
498
499     if(b1_seat<=0)
500
501         cout<<"SORRY NO SEAT AVAILABLE"<<endl;
502
503     else
504
505         cout<<"SEAT AVAILABLE"<<endl;
506
507 }
508
509
510 cout<<"SEAT AVAILABLE"<<endl;
511
512 break;
513
514 case 2:
515
516 e1_seat--;
517
518 if(e1_seat<=0)
519
520         cout<<"SORRY NO SEAT AVAILABLE"<<endl;
521
522     else
523
524         cout<<"SEAT AVAILABLE"<<endl;
525
526     break;
527 }
528
529 t1.getdata();
530
531
532
533
534 system("CLS");
535
536 booking::show();
537
538 if(choice==1)
539
540 {
541
542     cout<<"]
543     cout<<"Ticket Information:           "
544             "<<endl;
545     cout<<"           "
546             "<<endl;
```

```
C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug Untitled3.cpp
510 cout<<"SEAT AVAILABLE"<<endl;
511
512 break;
513
514 case 2:
515
516 e1_seat--;
517
518 if(e1_seat<=0)
519
520         cout<<"SORRY NO SEAT AVAILABLE"<<endl;
521
522     else
523
524         cout<<"SEAT AVAILABLE"<<endl;
525
526     break;
527 }
528
529 t1.getdata();
530
531
532
533
534 system("CLS");
535
536 booking::show();
537
538 if(choice==1)
539
540 {
541
542     cout<<"]
543     cout<<"Ticket Information:           "
544             "<<endl;
545     cout<<"           "
546             "<<endl;
```

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TDN-GCC 4.9.2 64-bit Release

Project Classes Debug Untitled3.cpp
543 cout<<""
544 cout<<"|Ticket Information:
545 cout<<"|BUSINESS CLASS
546
547 cout<<"|
548 |Ticket Information:
549 |BUSINESS CLASS
550
551 }
552
553 if(choice==2)
554 {
555
556 cout<<""
557 cout<<"|Ticket Information:
558 cout<<"|ECONOMY CLASS
559
560 cout<<"|
561 |Ticket Information:
562 |ECONOMY CLASS
563
564 cout<<"|Status: confirmed
565
566 cout<<"|Status: confirmed
567
568 ti.show();
569 }
570 else
571
572 cout<<"|Status: confirmed
573
574 ti.show();
575 }
576
577
578 else
579 {
580 cout<<""
581 cout<<"| SORRY NO FLIGHT AVAILABLE ON THIS ROUTE RIGHT NOW
582 cout<<""
583 }
584 }
585
586 class main1
587 {
588 private:
589 char f;
590 int menu_choice;
591 char a;
592
593 public:
594
595 void getdata()
596 {
597
598 cout<<"\n\n\n\n\n";
599 cout<<setw(60)<<*****;
600 cout<<setw(60)<<" AIRWAYS RESERVATION ";
601 cout<<setw(60)<<" MAIN MENU ";
602 cout<<setw(60)<<" ENTER YOUR CHOICE ";
603 cout<<setw(60)<<" PRESS 1 FOR LOCAL BOOKING ";
604 cout<<setw(60)<<" PRESS 2 FOR INTERNATIONAL BOOKING ";
605
606
607
608
609
610 }
```

Line: 262 Col: 15 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds 23:59 19-03-2019

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
TDN-GCC 4.9.2 64-bit Release

Project Classes Debug Untitled3.cpp
576
577
578 else
579 {
580 cout<<""
581 cout<<"| SORRY NO FLIGHT AVAILABLE ON THIS ROUTE RIGHT NOW
582 cout<<""
583 }
584 }
585
586 class main1
587 {
588 private:
589 char f;
590 int menu_choice;
591 char a;
592
593 public:
594
595 void getdata()
596 {
597
598 cout<<"\n\n\n\n\n";
599 cout<<setw(60)<<*****;
600 cout<<setw(60)<<" AIRWAYS RESERVATION ";
601 cout<<setw(60)<<" MAIN MENU ";
602 cout<<setw(60)<<" ENTER YOUR CHOICE ";
603 cout<<setw(60)<<" PRESS 1 FOR LOCAL BOOKING ";
604 cout<<setw(60)<<" PRESS 2 FOR INTERNATIONAL BOOKING ";
605
606
607
608
609
610 }
```

Line: 262 Col: 15 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds 23:59 19-03-2019

The screenshot shows the Dev-C++ IDE interface. The title bar reads "C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11". The menu bar includes File, Edit, Search, View, Project, Execute, Tools, AStyle, Window, and Help. The toolbar contains various icons for file operations like Open, Save, Print, and Build. The status bar at the bottom shows "Line: 586", "Col: 1", "Sel: 0", "Lines: 757", "Length: 18811", and "Done parsing in 2.328 seconds". The bottom taskbar has icons for File Explorer, Command Prompt, and several application windows. The main window displays the C++ code for "Untitled3.cpp". The code handles user input for a character 'back'. If 'back' is 'b', it performs a system("CLS") and loops back to the start. Otherwise, it prints five newlines and a farewell message ("BYE FROM AIR RESERVATION SYSTEM"). It then breaks from the loop. The code also includes a case statement for '2' which initializes pointers p1 and p2. The code editor has syntax highlighting for C++ keywords and comments.

```
642     cin>>back;
643
644
645
646
647     system("CLS");
648
649     if (back=='b')
650     {
651         goto m;
652     }
653
654
655     else
656     {
657
658         cout<<"\n\n\n\n\n";
659
660         cout<<setw(40)<<"BYE FROM AIR RESERVATION SYSTEM";
661
662
663     }
664
665
666
667
668
669
670     break;
671
672
673     p1=&i1;
674
675     p1->getdata();
676
```

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
(globals) Untitled3.cpp
Project Classes Debug
675     p1->getdata();
676
677     cout<<"To Go To Main Menu Press b"<<endl;
678
679     cin>>back;
680
681     system("CLS");
682
683     if (back=='b')
684     {
685
686         goto n;
687
688
689
690
691
692
693
694
695         cout<<"\n\n\n\n\n";
696
697         cout<<setw(40)<<"BYE FROM AIR RESERVATION SYSTEM";
698
699
700
701
702
703
704     case 3:
705
706         search s1;
707
708         s1.searching();
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739 }
```

Line: 586 Col: 1 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds

Type here to search

C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
(globals) Untitled3.cpp
Project Classes Debug
785     search s1;
786
787     s1.searching();
788
789     cout<<"To Go To Main Menu Press b"<<endl;
790
791     cin>>back;
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839 }
```

Line: 586 Col: 1 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.328 seconds

Type here to search

The screenshot shows the Dev-C++ IDE interface with the following details:

- Title Bar:** C:\Users\sweta\Desktop\Untitled3.cpp - Dev-C++ 5.11
- Menu Bar:** File, Edit, Search, View, Project, Execute, Tools, AStyle, Window, Help
- Toolbars:** Standard, Editor, Project, Build, Run, Debug, Help
- Project Explorer:** Shows a single file "Untitled3.cpp" with line numbers 723 to 756.
- Code Editor:** Displays the C++ code for an air reservation system. The code includes:
 - Outputting multiple newlines.
 - Setting the console width to 40 and outputting "BYE FROM AIR RESERVATION SYSTEM".
 - A break statement.
 - Outputting "WELCOME TO AIRWAYS RESERVATION SYSTEM" and "Developed by : Smita Kumari".
 - Using system("cls") to clear the screen.
 - Sleeping for 500ms at various points.
 - Getting data from a menu item m1.
- Status Bar:** Line: 586, Col: 1, Sel: 0, Lines: 757, Length: 18811, Insert, Done parsing in 2.328 seconds
- Taskbar:** Shows icons for File Explorer, Edge, File Manager, Task View, Google Chrome, FileZilla, DEV C++, and others. The DEV C++ icon is highlighted.
- System Tray:** Shows battery level, signal strength, volume, and date/time (00:03 20-03-2019).

The screenshot shows the Dev-C++ IDE interface. The title bar reads "C:\Users\sweta\Desktop\Untitled3.cpp - [Executing] - Dev-C++ 5.11". The menu bar includes File, Edit, Search, View, Project, Execute, Tools, AStyle, Window, and Help. The toolbar contains various icons for file operations like Open, Save, and Build. The status bar at the bottom shows "Line: 586", "Col: 1", "Sel: 0", "Lines: 757", "Length: 18811", and "Done parsing in 2.328 seconds". The main workspace shows a code editor with the file "Untitled3.cpp" open, containing lines 723 and 724. Below the code editor is a terminal window titled "C:\Users\sweta\Desktop\Untitled3.exe" displaying the output "WELCOME TO AIRWAYS RESERVATION SYSTEM". The taskbar at the bottom includes the Start button, a search bar, and pinned icons for File Explorer, Edge, FileZilla, and File Manager. The system tray shows network, battery, and volume icons. The system clock in the bottom right corner shows "00:07 20-03-2019".

C:\Users\sweta\Desktop\Untitled4.cpp - [Executing] - Dev-C++ 5.11

File C:\Users\sweta\Desktop\Untitled4.exe

Proj

Developed by :Sweta Kumari

```
750     Sleep(500);
751     Sleep(3000);
752     system("cls");
753     main();
754     m1.getdata();
755 }
756
```

Line: 757 Col: 1 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.547 seconds

Type here to search DEV 20 20-03-2019

C:\Users\sweta\Desktop\Untitled4.cpp - [Executing] - Dev-C++ 5.11

File Select C:\Users\sweta\Desktop\Untitled4.exe

Proj

```
*****  
*      AIRWAYS RESERVATION      *  
*      MAIN MENU                *  
*      ENTER YOUR CHOICE        *  
*      PRESS 1 FOR LOCAL BOOKING *  
*      PRESS 2 FOR INTERNATIONAL BOOKING *  
*      PRESS 3 FOR SEARCH OF FLIGHTS   *  
*      NOW ENTER YOUR CHOICE:       *  
*****
```

```
750     Sleep(500);
751     Sleep(3000);
752     system("cls");
753     main();
754     m1.getdata();
755 }
756
```

Line: 757 Col: 1 Sel: 0 Lines: 757 Length: 18811 Insert Done parsing in 2.547 seconds

Type here to search DEV 20 20-03-2019

Conclusion:

The software package “Airline Reservation System” provides convenient online uploading the report from executive and viewing that report by the managing director in an online fashion.

To input the data in a highly validated manner and generating the different reports , this involves complex process that was being done on based manner. This package is designed and developed in a compact manner , which is ready to meet the users specification and to serve them in an effective as well as in an enhanced manner . The actual problem has been observed with keen interest and it has been defined and analyzed in such a way that it never causes choice to the user. More ever the limitation that has been prevailing in the existing system had been overcome to suit the need of the user .

High precision and care has been taken to design the data base , input forms an output reports since they should be given due importance which could otherwise to serious consequences thus affecting the whole system . The system thus developed has been implemented successfully which has been performed to scrutinized the validation of each data and errors were spotted out and then finally cleared in a sophisticated manner .

The added feature of this system is that it has been provided with many provisions for future enhancement in order to maintain the system in such a way that the future requirement of the user could also be satisfied and upgrated.

References:

1. https://www.onlinegdb.com/online_c_compiler
2. https://en.wikipedia.org/wiki/Airline_reservations_system
3. <https://www.capterra.com/airline-reservation-system-software/>