My Titans

PRESENTS

TEAM :

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AirIsAll
THE FLIGHT BOOKING SYSTEM

REPORT TITLE

ACKNOWLEDGEMENT

We take this opportunity to express my profound gratitude and deep regards to me faculty (Prof. Chandan Mukherjee) for his exemplary guidance, monitoring, and constant encouragement throughout the course of this project. The blessing, help and guidance given by him/her time to time shall carry me a long way in the journey of life on which I am about to embark. I am obliged to my project team members for the valuable information provided by them in their respective fields. I am grateful for their cooperation during the

period of my assignment

FULL SIGNATURE OF CANDIDATE

- Omkar kandekar
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INTRODUCTION

AirIsAll is a Flight booking System, for booking your Flight in A Simple and Easy way. This makes you your work smooth and clean.

You Just need to then this software what is your Preference and leave it all. It will be booking your flight ticket with your best choice.

After all your inputs this Project will Automatically List you down the best flight available for your according to your preference.

OBJECTIVE :

The purpose of a booking system is to allow potential customers to self-book and pay through your website, securely store customer's data, manage your staff and keep your business running long after you've gone home for the day. And that just scratches the surface. A booking system is so much more than just a piece of software that reserves an appointment with your business. And also, Flight Reservation System is to manage the details of Airlines Booking, Passenger, Airline Enquiry, Passenger Reservation, Ticket Booking. It manages all the information about Airlines Booking, Booking Enquiry, Ticket Booking, Airlines Booking.

PERSONAL CONTRIBUTION

- Bala Chandrashekar – Login/Help/Exit Page (Line 12 – 47 and 820 – 873)

- Omkar kandekar – Data filling (Line 81 - 174)

- Abhinaw Raj – Show Data/Reservation (Line 176 - 309)

- Ankit Raj – Schedule/Seat Preference (49 – 79 and 311 - 391)

- Aakash Sharma – Edit/Tester (406 - 660)

CODE MATERIAL

String :

std::basic_string class template

cstring :

Various narrow character string handling functions

array :

std::array container

list :

std::list container

queue :

std::queue and std::priority_queue container adaptors

Iostream :

iostream stands for standard input-output stream. This header file contains definitions of objects like cin, cout, cerr, etc.

conio.h :

conio.h is a C header file used mostly by MS-DOS compilers to provide console input/output.

string.h :

This function appends not more than n characters from the string pointed to by src to the end of the string pointed to by dest plus a terminating Null-character.

cstring :

The cstring header file contains definitions for C++ for manipulating several kinds of strings.

windows.h :

windows.h is a Windows-specific header file for C++ programming languages which contains declarations for all of the functions in the Windows API, all the common macros used by Windows programmers, and all the data types used by the various functions and subsystems.

SOFTWARE REQUIREMENT

Minimum System Requirement:

- <u>OS</u> : Windows 10 (64-bit)
- <u>Processor</u> : Intel Core i5 3470 @ 2.9 Ghz / AMD Ryzen 3 3250U @ 2.6 Ghz
- <u>Memory</u> : 2 GB (1600 Mhz)
- <u>Graphics</u> : Intel HD Graphic 4000 Or Better
- <u>DirectX Version</u> : Microsoft DirectX 9
- <u>Hard Drive</u> : 2 GB Available Space

Recommended System Requirement:

- <u>OS</u> : Windows 10 (64-bit)
- <u>Processor</u> : Intel Core i5 9400F @ 2.9 Ghz / AMD Ryzen 5 3600 @ 3.2 Ghz
- <u>Memory</u> : 4 GB (2200 Mhz)
- <u>Graphics</u> : GeForce GTX 970 / Radeon RX470 Or Better
- <u>DirectX Version</u> : Microsoft DirectX 10
- <u>Hard Drive</u> : 2 GB Available Space

TABLE INFORMATION

CODE :

```
void schedule()
{
        system("COLOUR 07");

        system("cls");

        cout << "\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t*** Welcome to the Airline Flight Schedule ***" << endl
                << endl;

        cout << "\t\t\t\t\t--------------------------------------------------------------------------------" << endl
                << endl;

        cout << "\t\t\t\t\t\t   Read the Schedule CAREFULLY before reserving your seat" << endl
                << endl;

        cout << "\t\t\t\t\t--------------------------------------------------------------------------------" << endl
                << endl;

        cout << "\t\t\t\t\tNumber count     Flight Name     From        To        Fare Price (rs)"    << endl
                << endl;

        cout << "\t\t\t\t\t\t<1>            IN000         Mumbai      Banglore"
                << "\t\t" << 4000 - IN1 << endl
                << endl;

        cout << "\t\t\t\t\t\t<2>            IN001         Ranchi      Delhi"
                << "\t\t" << 4500 - IN1 << endl
                << endl;

        cout << "\t\t\t\t\t\t<3>            IN002         Hydrabad     Jaipur"
                << "\t\t" << 5000 - IN2 << endl
                << endl;

        cout << "\t\t\t\t\t\t<4>            IN003         Delhi       Amritsar"
                << "\t\t" << 6000 - IN3 << endl
                << endl;

        cout << "\t\t\t\t\t------------------------------------------------------------------------------------------" << endl
                << endl;

        cout << "\t\t\t\t\t\tPress any key to continue...";

        getch();
}
```

PAGE LAYOUT :

```
        *** Welcome to the Airline Flight Schedule ***

--------------------------------------------------------------------------------
        Read the Schedule CAREFULLY before reserving your seat

--------------------------------------------------------------------------------

Number count        Flight Name      From           To           Fare Price (rs)

<1>                 IN000            Mumbai         Banglore         4000

<2>                 IN001            Ranchi         Delhi            4500

<3>                 IN002            Hydrabad       Jaipur           5000

<4>                 IN003            Delhi          Amritsar         6000

--------------------------------------------------------------------------------

Press any key to continue...
```

PROGRAM SOURCE CODE

LET ME SHOW YOU CODE SECTION BY SECTION

CODE OF LOG IN SCREEN:

CODE OF MAIN MANU:

CODE OF SCHEDULE:

CODE OF INSTRUCTION / HELP:

CODE OF EXIT:

NOW SHOWING THE COMPLETE CODE FOR OVERVIEW:

Flight Booking System:

```cpp
#include <iostream>
#include <conio.h>
#include <string.h>
#include <string>
#include <cstring>
#include <windows.h>
using namespace std;

int IN1, IN2, IN3 = 0;
int memberid = 0;
```

```cpp
void login()
{
        cout << "\n\n\n\n\n\n\n\t\t\t\t@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@\n";

        cout << "\t\t\t\t@@                                                                              @@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@|                           WELCOME TO                                       |@@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@|                        TITANS AIRLINE BOOKING                              |@@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@|                         Made by TEAM TITANS                                |@@\n";

        cout << "\t\t\t\t@@|                                                                            |@@\n";

        cout << "\t\t\t\t@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@\n\n\n\n\t\t\t\t";

        cout << "Press any key to continue...";

        getch();

        system("cls");

        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\tLoading ||||||                                  | 12% ....";

        Sleep(500);

        system("cls");

        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\tLoading |||||||||||||||||||||||||||||| | 61% ....";

        Sleep(500);

        system("cls");

        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\tLoading |||||||||||||||||||||||||||||||||||||||||||||||||||| | 95% ....";
```

```cpp
        Sleep(500);

        system("cls");

        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\tLoading
||||||||||||||||||||||||||||||||||||||||||||||||||||||| 100% ....";

        Sleep(2000);

}


void schedule()

{

        system("COLOUR 07");

        system("cls");

        cout << "\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t*** Welcome to the Airline Flight Schedule ***" << endl

                << endl;

        cout << "\t\t\t\t\t-----------------------------------------------------------------------------" << endl

                << endl;

        cout << "\t\t\t\t\t\t   Read the Schedule CAREFULLY before reserving your seat" << endl

                << endl;

        cout << "\t\t\t\t\t-----------------------------------------------------------------------------" << endl

                << endl;

        cout << "\t\t\t\t\t\tNumber count     Flight Name      From          To          Fare Price (rs)"      << endl

                << endl;

        cout << "\t\t\t\t\t\t<1>               IN000          Mumbai       Banglore"

                << "\t\t" << 4000 - IN1 << endl

                << endl;

        cout << "\t\t\t\t\t\t<2>               IN001          Ranchi       Delhi"

                << "\t\t" << 4500 - IN1 << endl

                << endl;

        cout << "\t\t\t\t\t\t<3>               IN002          Hydrabad     Jaipur"

                << "\t\t" << 5000 - IN2 << endl

                << endl;

        cout << "\t\t\t\t\t\t<4>               IN003          Delhi        Amritsar"

                << "\t\t" << 6000 - IN3 << endl

                << endl;

        cout << "\t\t\t\t\t\t------------------------------------------------------------------------------------" << endl

                << endl;

        cout << "\t\t\t\t\t\tPress any key to continue...";

        getch();

}
```

```cpp
class declaration
{
public:
        string id, name, age, gender, cnic, address, contact, depar, desti, f_name, seat_type, passport;
};


class Member : public declaration
{
public:
        declaration m[10];
        int en;
        string back;
        int status1;
        int status2;
        void get_data();
        void show_data();
        void reservation();
        void seat();
        void edit();
        void alldata();
        void delet();
};


void Member ::get_data()
{
        system("COLOUR 71");
        system("cls");
        cout << endl
                << endl
                << endl
                << endl
                << endl
                << endl
                << endl
                << endl
                << endl
                << endl;
```

```cpp
			cout << "\t\t\t\t\t\tMention a unique id       : ";
		cin.ignore();
		getline(cin, m[memberid].id);
		cout << endl
				<< endl;
		cout << "\t\t\t\t\t\tName                : ";
		getline(cin, m[memberid].name);
		cout << endl
				<< endl;
		cout << "\t\t\t\t\t\tAge              : ";
		getline(cin, m[memberid].age);
		cout << endl
				<< endl;
		cout << "\t\t\t\t\t\tGender            : ";
		getline(cin, m[memberid].gender);
		cout << endl
				<< endl;
		cout << "\t\t\t\t\t\tCnic            : ";
		getline(cin, m[memberid].cnic);
		cout << endl
				<< endl;
		cout << "\t\t\t\t\t\tPassport number        : ";
		getline(cin, m[memberid].passport);
		cout << endl
				<< endl;
		cout << "\t\t\t\t\t\tAddress            : ";
		getline(cin, m[memberid].address);
		cout << endl
				<< endl;
		cout << "\t\t\t\t\t\tContact            : ";
		getline(cin, m[memberid].contact);

back:
		cout << endl
				<< endl;
		cout << "\t\t\t\t\t\tProceed Forward[Y/N]      : ";
		cin >> back;
		if (back == "Y" || back == "y")
```

```cpp
		{
				cout << endl
						<< endl;
				cout << "\t\t\t\t\t\tYou filled all Entries of traveler successfully...";
				getch();
		}
		else if (back == "N" || back == "n")
		{
				cout << endl
						<< endl;
				cout << "\t\t\t\t\t\tYou filled all Entries of traveler successfully...";
				getch();
		}
		else
		{
				cout << "\n\t\t\t\t\t\tWrong Input";
				goto back;
		}
}


void Member ::show_data()
{
		system("color E4");
		system("cls");
		string n;
		cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\tEnter the member's ID  to display Record: ";
		cin >> n;
		system("cls");
		if (n == "0")
		{
				system("cls");
				cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\tOOPS!!!!" << endl;
				cout << "\t\t\t\t\t\t\tNote: No Record To Display  Plz Go Back And Enter Some Entries...";
		}
		else
		{
				int i;
				for (i = 0; i < memberid; i++)
```

```cpp
			{
				status1 = 0;
				if (n == m[i].id)
				{
					status1 = 1; //here 1 is considered as bool true
					break;
				}
			} // for loop closed


			if (status1) //if true
			{
				cout << "\n\n\n\n\n\n\n\n\n";
				cout << "\t\t\t\t\t\t-----------------------------------" << endl
					<< endl;
				cout << "\t\t\t\t\t\tID             :" << m[i].id << endl
					<< endl;
				cout << "\t\t\t\t\t\tName           :" << m[i].name << endl
					<< endl;
				cout << "\t\t\t\t\t\tAge            :" << m[i].age << endl
					<< endl;
				cout << "\t\t\t\t\t\tGender         :" << m[i].gender << endl
					<< endl;
				cout << "\t\t\t\t\t\tCnic           :" << m[i].cnic << endl
					<< endl;
				cout << "\t\t\t\t\t\tPassport Number     :" << m[i].passport << endl
					<< endl;
				cout << "\t\t\t\t\t\tAddress        :" << m[i].address << endl
					<< endl;
				cout << "\t\t\t\t\t\tContact        :" << m[i].contact << endl
					<< endl;
				cout << "\t\t\t\t\t\tFlight Name      :" << m[i].f_name << endl
					<< endl;
				cout << "\t\t\t\t\t\tDeparture       :" << m[i].depar << endl
					<< endl;
				cout << "\t\t\t\t\t\tDestination      :" << m[i].desti << endl
					<< endl;
				cout << "\t\t\t\t\t\tSeat Type       :" << m[i].seat_type << endl
					<< endl;
```

```cpp
                        cout << "\t\t\t\t\t\t-----------------------------------" << endl
                                    << endl;
                        cout << "\t\t\t\t\t\tPress any key to choose another option...";
                }
                else
                {
                        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\tNo such ID in database"
<< endl;
                        cout << "\t\t\t\t\t\tPress any key to choose another option...";
                }
        }
        getch();
}


void Member ::reservation()
{
        system("color 07");
        string res;
above:
        system("cls");
        cout << "\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t*** Select Departure And Destination ***" << endl
                    << endl;
        cout << "\t\t\t\t\t\t--------------------------------------------------------" << endl
                    << endl;
        cout << "\t\t\t\t\t\t\tNumber    Flight Name      Departure      Destination" << endl
                    << endl;
        cout << "\t\t\t\t\t\t\t<1>       IN000          Mumbai         Banglore" << endl
                    << endl;
        cout << "\t\t\t\t\t\t\t<2>       IN001          Pune           Delhi" << endl
                    << endl;
        cout << "\t\t\t\t\t\t\t<3>       IN002          Hydrabad       Jaipur" << endl
                    << endl;
        cout << "\t\t\t\t\t\t\t<4>       IN003          Ahmedabad      Chennai" << endl
                    << endl;
        cout << "\t\t\t\t\t\t\t--------------------------------------------------------" << endl
                    << endl;
        cout << "\t\t\t\t\t\t\tPress any key to continue...";
        getch();
```

```cpp
                cout << endl
                        << endl;
                cout << "\t\t\t\t\t\tEnter Your Choice:    ";
                cin >> res;
                if (res == "1")
                {
                        m[memberid].depar = "Mumbai";
                        m[memberid].desti = "Banglore";
                        m[memberid].f_name = "IN000";
                }


                else if (res == "2")
                {
                        m[memberid].depar = "Pune";
                        m[memberid].desti = "Delhi";
                        m[memberid].f_name = "IN001";
                }


                else if (res == "3")
                {
                        m[memberid].depar = "Hydrabad";
                        m[memberid].desti = "Jaipur";
                        m[memberid].f_name = "IN002";
                }


                else if (res == "4")
                {
                        m[memberid].depar = "Chennai";
                        m[memberid].desti = "Chandigarh";
                        m[memberid].f_name = "IN003";
                }


                else
                {
                        system("cls");
                        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tWrong Input" << endl;
                        cout << "\t\t\t\t\t\t\tPress any key to choose another option...";
                        getch();
```

```cpp
                    goto above;
          }
}


void Member ::seat()
{
          system("color 07");
          string choise;
above1:
          system("cls");
          cout << "\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t*** Select Your Seat Type***" << endl
                    << endl;
          cout << "\t\t\t\t\t\t-----------------------" << endl
                    << endl;
          cout << "\t\t\t\t\t\tNumber     Seat Type"     << endl
                    << endl;
          cout << "\t\t\t\t\t\t<1>        Simple Seat"    << endl
                    << endl;
          cout << "\t\t\t\t\t\t<2>        Window side"    << endl
                    << endl;
          cout << "\t\t\t\t\t\t-----------------------" << endl
                    << endl;
          cout << "\t\t\t\t\t\tPress any key to continue...";
          getch();
          cout << endl
                    << endl;
          cout << "\t\t\t\t\t\tEnter Your Choice:     ";
          cin >> choise;
          if (choise == "1")
          {
                    m[memberid].seat_type = "Simple Seat";
          }


          else if (choise == "2")
          {
                    m[memberid].seat_type = "Window Side";
          }
```

```cpp
        else
        {
                system("cls");
                cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t\tWrong Input" << endl;
                cout << "\t\t\t\t\t\t\tPress any key to choose another option...";
                getch();
                goto above1;
        }


    if (choise == "2")
        {


            cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t\tnote: You Choose Window Seat!!!!" << endl
                    <<endl;
            cout << "\n\n\n\n\n\n\n\t\t\t\t\tYou Have To Give Extra 300rs For That!!!!" << endl
                <<endl;


}
        else if (choise == "1")
        cout << "\t\t\t\t\t\t\tYou filled all Entries of traveler successfully...";



back:
        cout << endl
                        << endl;
        cout << "\t\t\t\t\t\t\tProceed Forward[Y/N]    : ";
        cin >> back;
        if (back == "Y" || back == "y")
        {
                cout << endl
                                << endl;
                cout << "\t\t\t\t\t\t\tYou filled all Entries of traveler successfully...";
                getch();
        }
        else if (back == "N" || back == "n")
        {
                cout << endl
                                << endl;
```

```cpp
                    cout << "\t\t\t\t\t\t\tYou filled all Entries of traveler successfully...";
                getch();
        }
        else
        {
                cout << "\n\t\t\t\t\t\t\tWrong Input";
                goto back;
        }
}


void Member ::edit()
{
        system("color 07");
        system("cls");
        string n;
        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\tEnter the member's ID  to display Record: ";
        cin >> n;
        system("cls");
        if (n == "0")
        {
                system("cls");
                cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tOOPS!!!!" << endl;
                cout << "\t\t\t\t\t\t\tNote: No Record To Display  Plz Go Back And Enter Some Entries...";
        }
        else
        {
                int i;
                for (i = 0; i < memberid; i++)
                {
                        status1 = 0;
                        if (n == m[i].id)
                        {
                                status1 = 1; //here 1 is considered as bool true
                                break;
                        }
                } // for loop closed
```

```cpp
                    if (status1) //if true
                    {
                        system("cls");
                        cout << endl
                            << endl
                            << endl;
                        cout << "\t\t\t\t\t\tMention a unique id     : ";
                        cin.ignore();
                        getline(cin, m[i].id);
                        cout << endl
                            << endl;
                        cout << "\t\t\t\t\t\tName              : ";
                        getline(cin, m[i].name);
                        cout << endl
                            << endl;
                        cout << "\t\t\t\t\t\tAge              : ";
                        getline(cin, m[i].age);
                        cout << endl
                            << endl;
                        cout << "\t\t\t\t\t\tAddress            : ";
                        getline(cin, m[i].address);
                        cout << endl
                            << endl;
                        cout << "\t\t\t\t\t\tContact            : ";
                        getline(cin, m[i].contact);
                        schedule();
                        string res;
                    above2:
                        system("cls");
                        cout << "\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t*** Select Departure And Destination ***" << endl
                            << endl;
                        cout << "\t\t\t\t\t\t\t----------------------------------------------------" << endl
                            << endl;
                        cout << "\t\t\t\t\t\t\tNumber    Flight Name     Departure     Destination" << endl
                            << endl;
                        cout << "\t\t\t\t\t\t\t<1>       IN000          Mumbai        Banglore" << endl
                            << endl;
```

```cpp
					cout << "\t\t\t\t\t\t<2>        IN001          Pune         Delhi" << endl
					<< endl;
					cout << "\t\t\t\t\t\t<3>        IN002          Hydrabad     Jaipur" << endl
					<< endl;
					cout << "\t\t\t\t\t\t<4>        IN003          Ahmedabad     Chennai" << endl
					<< endl;
					cout << "\t\t\t\t\t\t-------------------------------------------------" << endl
					<< endl;
					cout << "\t\t\t\t\t\tPress any key to continue...";
					getch();
					cout << endl
					<< endl;
					cout << "\t\t\t\t\t\tEnter Your Choice:     ";
					getline(cin, res);
					if (res == "1")
					{
						m[i].depar = "Mumbai";
						m[i].desti = "Banglore";
						m[i].f_name = "IN000";
					}

					else if (res == "2")
					{
						m[i].depar = "Pune";
						m[i].desti = "Delhi";
						m[i].f_name = "IN001";
					}

					else if (res == "3")
					{
						m[i].depar = "Hydrabad";
						m[i].desti = "Jaipur";
						m[i].f_name = "IN002";
					}

					else if (res == "4")
					{
						m[i].depar = "Ahmedabad";
```

```cpp
                                m[i].desti = "Chennai";
                                m[i].f_name = "IN003";
                        }


                else
                {
                                system("cls");
                                cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tWrong Input" << endl;
                                cout << "\t\t\t\t\t\t\tPress any key to choose another option...";
                                getch();
                                goto above2;
                }


                string choise;
        above3:
                system("cls");
                cout << "\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t*** Select Your Seat Type***" << endl
                                << endl;
                cout << "\t\t\t\t\t\t\t---------------------" << endl
                                << endl;
                cout << "\t\t\t\t\t\t\tNumber    Seat Type"  << endl
                                << endl;
                cout << "\t\t\t\t\t\t\t<1>        Window side"  << endl
                        <<endl;
                cout << "\t\t\t\t\t\t\t<2>        Normal Side"  << endl
                                << endl;
                cout << "\t\t\t\t\t\t\t----------------------" << endl
                                << endl;
                cout << "\t\t\t\t\t\t\tPress any key to continue...";
                getch();
                cout << endl
                                << endl;
                cout << "\t\t\t\t\t\t\tEnter Your Choice:    ";
                cin >> choise;
                if (choise == "2")
                {
                                m[i].seat_type = "Simple Seat";
```

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```cpp
					}

					else if (choise == "1")
					{
						m[i].seat_type = "Window Side";
					}

					else
					{
						system("cls");
						cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tWrong Input" << endl;
						cout << "\t\t\t\t\t\t\tPress any key to choose another option...";
						getch();
						goto above3;
					}
				}

				else
				{
					cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tNo such ID in database" << endl;
					cout << "\t\t\t\t\t\t\tPress any key to choose another option...";
				}
			}
	getch();
}


void Member ::alldata()
{
	system("cls");
	system("color 07");
	//int i;
	if (memberid == 0)
	{
		system("cls");
		cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\tOOPS!!!!" << endl;
		cout << "\t\t\t\t\t\tNote: No Record To Display  Plz Go Back And Enter Some Entries...";
	}
```

```cpp
        else
        {
                cout << "\n\n\n\n\n\n\t\t\t\t\t-------------------------------------------------------------------------------"
<< endl
                                << endl;
                cout << "\t\t\t\t\t\t\t  Details Of All The Travelers In registered" << endl
                                << endl;
                cout << "\t\t\t\t\t-------------------------------------------------------------------------" << endl
                                << endl;
                cout << "\tID"
                                << "\t\t"
                                << "NAME"
                                << "\t\t"
                                << "AGE"
                                << "\t\t"
                                << "Gender"
                                << "\t\t"
                                << "Contact"
                                << "\t\t"
                                << "Flight"
                                << "\t\t"
                                << "Departure"
                                << "\t\t"
                                << "Destination";
                        cout << endl
                                << endl;


                        for (int i = 0; i < memberid; i++)
                        {
                                cout << "\t" << m[i].id << "\t\t" << m[i].name << "\t\t" << m[i].age << "\t\t" <<
m[i].gender << "\t\t" << m[i].contact << "\t\t" << m[i].f_name << "\t\t" << m[i].depar << "\t\t\t" << m[i].desti << endl
                                        << endl;
                        }
                        cout << "\t\t\t\t\t-------------------------------------------------------------------------" << endl
                                << endl;
                        cout << "\n\t\t\t\t\tPress any key to choose another option...";
                }
        getch();
}
```

```cpp
void Member ::delet()
{
        system("color 07");
        system("cls");
        string n;
        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\tEnter the member's ID  to display Record: ";
        cin >> n;
        system("cls");
        if (n == "0")
        {
                system("cls");
                cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tOOPS!!!!" << endl;
                cout << "\t\t\t\t\t\t\tNote: No Record To Display  Plz Go Back And Enter Some Entries...";
        }
        else
        {
                int i;
                for (i = 0; i < memberid; i++)
                {
                        status1 = 0;
                        if (n == m[i].id)
                        {
                                status1 = 1; //here 1 is considered as bool true
                                break;
                        }
                } // for loop closed

                if (status1) //if true
                {
                        m[i].id, name, age, address, contact, depar, desti, f_name, seat_type = "Removed";
                        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tRecord Deleted...";
                        getch();
                }
                else
                {
                        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tNo such ID in database" << endl;
```

```cpp
                              cout << "\t\t\t\t\t\t\tPress any key to choose another option...";
                    getch();
                }
            }
}


int main()
{
        system("color 07");
        Member obj;
        string ch, ch1, ch2, ch3, ch4, ch5, ch6, ch7, ch8, ch9;
        int count = 0;
        login();
mainmenu:
        system("cls");
        cout << "\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t*** Welcome to the Airline Reservation System ***" << endl
            << endl;
        cout << "\t\t\t\t\t\t\t-----------------------------------------" << endl
            << endl;
        cout << "\t\t\t\t\t\t\t<1> Menu" << endl
            << endl;
        cout << "\t\t\t\t\t\t\t<2> Flight Schedule" << endl
            << endl;
        cout << "\t\t\t\t\t\t\t<3> Instructions/Help" << endl
            << endl;
        cout << "\t\t\t\t\t\t\t<4> Exit" << endl
            << endl;
        cout << "\t\t\t\t\t\t\t-----------------------------------------" << endl
            << endl;
        cout << "\t\t\t\t\t\t\tEnter Your Choice:    ";
        cin >> ch;
        if (ch == "1")
        {
        secondmain:
                system("cls");
                cout << "\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t*** Welcome to the Main Menu ***" << endl
                    << endl;
                cout << "\t\t\t\t\t\t\t-----------------------------------------" << endl
```

```cpp
                                << endl;
            cout << "\t\t\t\t\t\t<1> Reserve Flight/Registration" << endl
                                << endl;
            cout << "\t\t\t\t\t\t<2> Flight Schedule" << endl
                                << endl;
            cout << "\t\t\t\t\t\t<3> View Your Seat" << endl
                                << endl;
            cout << "\t\t\t\t\t\t<4> Edit Your Seat" << endl
                                << endl;
            cout << "\t\t\t\t\t\t<5> View All Reserved Seats" << endl
                                << endl;
            cout << "\t\t\t\t\t\t<6> Delete Your Reservation" << endl
                                << endl;
            cout << "\t\t\t\t\t\t<7> Go Back" << endl
                                << endl;
            cout << "\t\t\t\t\t\t-------------------------------------------" << endl
                                << endl;
            cout << "\t\t\t\t\t\tEnter Your choice:    ";
            cin >> ch1;
            if (ch1 == "1")
            {
                    obj.get_data();
                    system("cls");
                    schedule();
                    obj.reservation();
                    obj.seat();
                    memberid++;
                    count++;
                    goto secondmain;
            }


            else if (ch1 == "2")
            {
                    schedule();
                    goto secondmain;
            }


            else if (ch1 == "3")
```

```cpp
                {
                    if (count == 0)
                    {
                        system("cls");
                        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t\tOOPS!!!!" << endl;
                        cout << "\t\t\t\t\t\t\t\tNote: No Record To Display  Plz Go Back And Enter Some Entries...";
                        getch();
                        goto secondmain;
                    }
                    else
                    {
                        obj.show_data();
                        goto secondmain;
                    }
                }

                else if (ch1 == "4")
                {
                    if (count == 0)
                    {
                        system("cls");
                        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t\tOOPS!!!!" << endl;
                        cout << "\t\t\t\t\t\t\t\tNote: No Record To Display  Plz Go Back And Enter Some Entries...";
                        getch();
                        goto secondmain;
                    }
                    else
                    {
                        obj.edit();
                        goto secondmain;
                    }
                }

                else if (ch1 == "5")
                {
```

```cpp
                                if (count == 0)
                                {
                                        system("cls");
                                        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tOOPS!!!!" <<
endl;
                                        cout << "\t\t\t\t\t\t\t\tNote: No Record To Display  Plz Go Back And Enter Some
Entries...";
                                        getch();
                                        goto secondmain;
                                }
                                else
                                {
                                        obj.alldata();
                                        goto secondmain;
                                }
                        }


                else if (ch1 == "6")
                        {
                                if (count == 0)
                                {
                                        system("cls");
                                        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tOOPS!!!!" <<
endl;
                                        cout << "\t\t\t\t\t\t\t\tNote: No Record To Display  Plz Go Back And Enter Some
Entries...";
                                        getch();
                                        goto secondmain;
                                }
                                else
                                {
                                        obj.delet();
                                        goto secondmain;
                                }
                        }


                else if (ch1 == "7")
                        {
                                goto mainmenu;
```

```cpp
						}

				else
				{
						system("cls");
							cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t\tWrong Input" << endl;
							cout << "\t\t\t\t\t\t\t\tPress any key to choose another option...";
						getch();
						goto secondmain;
				}
		}


		else if (ch == "2")
		{
				schedule();
				goto mainmenu;
		}


		else if (ch == "3")
		{
				system("cls");
					cout << "\n\n\n\n\n\n\n\t\t\t  ---------------------------------------------------------------------------------------------------" << endl
							<< endl;
				cout << "\t\t\t   The most important thing to note while running this software is that first of all enter into main menu   " << endl;
					cout << "\t\t\t   and start with entering the members and than afterwards you can register the employes. This is a data    " << endl;
					cout << "\t\t\t   recording system in which you can easily record data of members and employes also if you enter into the  " << endl;
					cout << "\t\t\t   monetary database where you can also record the fee received from the members and calculate all the fee  " << endl;
					cout << "\t\t\t   received. This system also allows you to record the pay schedule of the employes that to which employe you" << endl;
					cout << "\t\t\t   have made the payment and which are left. At the end it also shows you that how much you have received   " << endl;
					cout << "\t\t\t   income from the members and how much you have paid. Than it shows the message that either you are in     " << endl;
					cout << "\t\t\t   Profit or Loss" << endl
							<< endl;
```

```cpp
                cout << "\t\t\t\t  ------------------------------------------------------------------------------------------------"
<< endl
                            << endl;
                cout << "\t\t\t   Press any key to choose another option...";
                getch();
                goto mainmenu;
            }


        else if (ch == "4")
        {


                system("cls");
                cout <<
"\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@@@\n";
                cout << "\t\t\t\t@@
                                                                @@\n";
                cout << "\t\t\t\t@@|                                                   |@@\n";
                cout << "\t\t\t\t@@|                                                   |@@\n";
                cout << "\t\t\t\t@@|                                                   |@@\n";
                cout << "\t\t\t\t@@|                                                   |@@\n";
                cout << "\t\t\t\t@@|                                                   |@@\n";
                cout << "\t\t\t\t@@|                 THANK YOU FOR USING
|@@\n";
                cout << "\t\t\t\t@@|                                                   |@@\n";
                cout << "\t\t\t\t@@|                 TITANS AIRLINE  BOOKING
|@@\n";
                cout << "\t\t\t\t@@|                                                   |@@\n";
                cout << "\t\t\t\t@@|                                                   |@@\n";
                cout << "\t\t\t\t@@|                                                   |@@\n";
                cout << "\t\t\t\t@@|                                                   |@@\n";
                cout << "\t\t\t\t@@|                                                   |@@\n";
                cout << "\t\t\t\t@@|                 Made by TEAM TITANS               |@@\n";
                cout <<
"\t\t\t\t@@|
|@@\n";

                cout <<
"\t\t\t\t@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@\n\n\n\n\t\t\t\t";
            }
```

```
        else
        {
                system("cls");
                cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t\tWrong Input" << endl;
                cout << "\t\t\t\t\t\t\t\tPress any key to choose another option...";
                getch();
                goto mainmenu;
        }
}
```

OUTPUT :

```
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@@ _____   @@
@@|                                                                        |@@
@@|                                                                        |@@
@@|                                                                        |@@
@@|                                                                        |@@
@@|                                                                        |@@
@@|                                                                        |@@
@@|                       WELCOME TO                                       |@@
@@|                                                                        |@@
@@|                  TITANS AIRLINE BOOKING                                |@@
@@|                                                                        |@@
@@|                                                                        |@@
@@|                                                                        |@@
@@|                                                                        |@@
@@|                                                                        |@@
@@|                    Made by TEAM TITANS                                 |@@
@@|_____|@@
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@


Press any key to continue...
```

```
        *** Welcome to the Airline Reservation System ***

        -------------------------------------------

        <1> Menu

        <2> Flight Schedule

        <3> Instructions/Help

        <4> Exit

        -------------------------------------------

        Enter Your Choice:
```

```
        *** Welcome to the Main Menu ***

        ------------------------------------------

        <1> Reserve Flight/Registration

        <2> Flight Schedule

        <3> View Your Seat

        <4> Edit Your Seat

        <5> View All Reserved Seats

        <6> Delete Your Reservation

        <7> Go Back

        ------------------------------------------

        Enter Your choice:       1
```

```
    Mention a unique id        : 8797

    Name                       : Bala Chandrashekar

    Age                        : 22

    Gender                     : Male

    Cnic                       : 8459

    Passport number            : 258746931

    Address                    : My Home

    Contact                    : 7418529630

    Proceed Forward[Y/N]       : y

    You filled all Entries of traveler successfully...
```

```
*** Welcome to the Main Menu ***

------------------------------------------------

<1> Reserve Flight/Registration

<2> Flight Schedule

<3> View Your Seat

<4> Edit Your Seat

<5> View All Reserved Seats

<6> Delete Your Reservation

<7> Go Back

------------------------------------------------

Enter Your choice:     1
```

```
*** Select Departure And Destination ***

-----------------------------------------------------------

Number        Flight Name        Departure        Destination

<1>           IN000              Mumbai             Banglore

<2>           IN001              Pune               Delhi

<3>           IN002              Hydrabad           Jaipur

<4>           IN003              Ahmedabad          Chennai

-----------------------------------------------------------

Press any key to continue...

Enter Your Choice:     2
```

```
*** Select Departure And Destination ***

---------------------------------------------------------

Number      Flight Name       Departure        Destination

<1>         IN000             Mumbai            Banglore

<2>         IN001             Pune              Delhi

<3>         IN002             Hydrabad          Jaipur

<4>         IN003             Ahmedabad         Chennai

---------------------------------------------------------

Press any key to continue...

Enter Your Choice:     2
```

```
*** Select Your Seat Type***

------------------------

Number      Seat Type

<1>         Simple Seat

<2>         Window side

------------------------

Press any key to continue...

Enter Your Choice:     1
You filled all Entries of traveler successfully...

Proceed Forward[Y/N]      : Y


You filled all Entries of traveler successfully...
```

```
        *** Welcome to the Main Menu ***

        ------------------------------------------------

        <1> Reserve Flight/Registration

        <2> Flight Schedule

        <3> View Your Seat

        <4> Edit Your Seat

        <5> View All Reserved Seats

        <6> Delete Your Reservation

        <7> Go Back

        ----------------------------------------------

        Enter Your choice:     2
```

```
           *** Welcome to the Airline Flight Schedule ***
-----------------------------------------------------------------------
        Read the Schedule CAREFULLY before reserving your seat
-----------------------------------------------------------------------
Number count        Flight Name     From        To          Fare Price (rs)
<1>                 IN000           Mumbai      Banglore     4000
<2>                 IN001           Pune        Delhi        4500
<3>                 IN002           Hydrabad    Jaipur       5000
<4>                 IN003           Ahmedabad   Chennai      6000
------------------------------------------------------------------------------
Press any key to continue..._
```

```
*** Welcome to the Main Menu ***

----------------------------------------------

<1> Reserve Flight/Registration

<2> Flight Schedule

<3> View Your Seat

<4> Edit Your Seat

<5> View All Reserved Seats

<6> Delete Your Reservation

<7> Go Back

----------------------------------------------

Enter Your choice:    3_
```

Enter the member's ID to display Record: 8797

```
            -----------------------------------
            ID                  :8797
            Name                :Bala Chandrashekar
            Age                 :22
            Gender              :Male
            Cnic                :8459
            Passport Number     :258746931
            Address             :My Home
            Contact             :7418529630
            Flight Name         :IN003
            Departure           :Chennai
            Destination         :Chandigarh
            Seat Type           :Simple Seat
            -----------------------------------
            Press any key to choose another option...
```

Now Edit Your Seat/your Details By All Yourself: Here is How

```
         *** Welcome to the Main Menu ***
         ---------------------------------------------
         <1> Reserve Flight/Registration
         <2> Flight Schedule
         <3> View Your Seat
         <4> Edit Your Seat
         <5> View All Reserved Seats
         <6> Delete Your Reservation
         <7> Go Back
         ---------------------------------------------
         Enter Your choice:     4_
```

Here You Have to enter your Previous ID

```
     Enter the member's ID  to display Record: 8797
```

Give a new Details Here

```
                    Mention a unique id      : 456

                    Name                     : Hello

                    Age                      : 45

                    Address                  : Delhi

                    Contact                  : 45879123
```

```
        *** Select Departure And Destination ***

        ---------------------------------------------------------

        Number      Flight Name      Departure        Destination
        <1>         IN000            Mumbai           Banglore
        <2>         IN001            Pune             Delhi
        <3>         IN002            Hydrabad         Jaipur
        <4>         IN003            Ahmedabad        Chennai

        ---------------------------------------------------------

        Press any key to continue...

        Enter Your Choice:      2_
```

```
*** Select Your Seat Type***

---------------------

Number     Seat Type

<1>        Window side

<2>        Normal Side

---------------------

Press any key to continue...

Enter Your Choice:      2
```

```
*** Welcome to the Main Menu ***

----------------------------------------------

<1> Reserve Flight/Registration

<2> Flight Schedule

<3> View Your Seat

<4> Edit Your Seat

<5> View All Reserved Seats

<6> Delete Your Reservation

<7> Go Back

----------------------------------------------

Enter Your choice:      5
```

```
--------------------------------------------------------------------------
                        Details Of All The Travelers In registered
--------------------------------------------------------------------------
ID           NAME           AGE         Gender       Contact      Flight        Departure           Destination
456          Hello          45                       45879123       IN001         Pune                Delhi
--------------------------------------------------------------------------

Press any key to choose another option...
```

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CONCLUSION :

The conclusion for online ticket booking is that it is very convenient and relatively cheap. You are able to book your ticket from the comfort of your home, which means that you do not have to worry about gas money or parking charges so as to get your ticket.

Thank you From Team My Titans…

- Omkar kandekar

- Bala Chandrashekar

- Akash Sharma

- Abhinaw Raj

- Ankit Raj.

REFERENCE :

FIFTH FORCE:

Link: https://fifthforce.in/

GOOGLE:

Link:
https://www.google.com/webhp?hl=en&sa=X&ved=0ahUKE
wiz4p-w9KjhAhUiSY8KHVbhAOsQPAgH

GOOGLE DRIVE:

Link: https://drive.google.com/drive/folders/16-VG-
B04dbXuUmypfKCkJ70f_yXc8qGw?usp=sharing

YOUTUBE:

Link: https://www.youtube.com

GITHUB:

Link: https://github.com/Chandrashekar-141/Flight-
Reservation-System

BOOKS:

Data Structures and Algorithms in C++:

Link: https://www.amazon.in/Data-Structures-Algorithms-
Adam-Drozdek/dp/1133608426