

## Group Members

- |    |                   |      |
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## Admin

- Username : String
- password : String

admin login()

Schedule flight()

View all flights()

## Flight

- Source : String
- destination : String
- flight name : String
- fare : float
- date : String
- Time : String
- Flight ID : INT

```

#include<iostream>
#include<bits/stdc++.h>
using namespace std;

vector<string> sources=
{"Pune","Pune","Pune","Pune","Pune"} ,
destinations={"Delhi","Mumbai","Chennai","Kolkata","Jaipur"} , flightnames
={"A143","IND767","VIZ321","SP701","AI111"} ;
vector<float> prices={2000,3467,8300,5230,4300};
vector<string>
dates={"2/12/2021","17/07/2022","26/12/2021","2/12/2021","2/12/2021"},times={"9:30 AM","3:00 PM","8 AM","1 PM","2:30PM"};

class flight
{
public:
string source;
string destination;
string flightname;
string airlinename;
float fare;
int flightid;
string date,departtime;
friend class admin;
};flight f[100];

class admin
{
private:
bool login;
int choice;

```

```

string username;
string password;
public:
admin()
{
    if(init==true)
    {
        for(int i=0;i<5;i++)
        {
            f[i].flightid=i+1;
            f[i].source=sources[i];
            f[i].destination=destinations[i];
            f[i].flightname=flightnames[i];
            f[i].fare=prices[i];
            f[i].date = dates[i];
            f[i].departtime=times[i];
        }
        init=false;
    }
    login=false;
}
int k;
bool init = true;
int z=0;
int tf=5;

void loginAdmin(){
    do{
        cout<<"Username : ";
        cin>>username;
        cout<<"Password : ";
        cin>>password;
        if(username=="Admin" && password=="Admin123"){

```

```

        login= true;
        cout<<"***** Login
Successful *****\n";
    }else{cout<<"***** Login
Failed!! *****\n***** Try
Again!! *****\n";}
    }while(!(username=="Admin" &&
password=="Admin123"));
}

void scheduleflight(){
    int i;
    cout<<"How MANY FLIGHTS DO YOU WANT TO SHEDULE
?"<<endl;
    cin>>k;
    for(i=5;i<5+k;i++){
        cout<<"Source : ";
        cin>>f[i].source;
        cout<<"Destination : ";
        cin>>f[i].destination;
        cout<<"Flight Name : ";
        cin>>f[i].flightname;
        cout<<"Fare : ";
        cin>>f[i].fare;
        cout<<"Date : ";
        cin>>f[i].date;
        cout<<"Time :";
        cin>>f[i].departtime;
        f[i].flightid=i+1;
        tf++;
    }
}

```

```

void viewallflights()
{
    cout<<"F.ID"<<"\t \t"<<"Source"<<"\t
\t"<<"Destination"<<"\t \t"<<"Flight Name"<<"\t \t"<<"
Fare"<<"\t \t"<<" Date"<<"\t \t"<<" Time"<<endl;
    cout<<endl;
    for(int i=0;i<tf;i++)
    {
        cout<<endl;
        cout<<f[i].flightid<<"\t
\t"<<f[i].source<<"\t \t"<<f[i].destination<<"\t \t \t
"<<f[i].flightname<<"\t \t \t "<<f[i].fare<<"RS"<<"\t
\t"<<f[i].date<<"\t"<<f[i].departtime<<endl;
        cout<<endl;
        cout<<"-----
-----
-----"<<endl;
    }
}

};

int main()
{
    admin a;
    a.loginAdmin();
    int ch;
    lable:
    do{
        cout<<" 1.Shedule Flight"<<endl;
        cout<<" 2.View all Flights"<<endl;
        cout<<" 3.Exit"<<endl;
        cin>>ch;
        switch(ch)
        {
            case 1: a.scheduleflight();

```

```

        goto lable;
    case 2: a.viewallflights();
        goto lable;
    case 3: break;
    }
}while(ch<3);
}

// output

// PS C:\Users\DELL\OneDrive\Desktop\Sem 7 prac\SDM>
cd "c:\Users\DELL\OneDrive\Desktop\Sem 7 prac\SDM\" ;
if ($?) { g++ 8b.cpp -o 8b } ; if ($?)
// { .\8b }
// 1.Shedule Flight
// 2.View all Flights
// 3.Exit
// 2
//
F.ID          Source          Destination
Flight Name          Fare

//
1              Pune           Delhi
A143              2000RS

// -----
-----
-----

```

```
//
2           Pune           Mumbai
  IND767           3467RS

// -----
-----

//
3           Pune           Chennai
  VIZ321           8300RS

// -----
-----

//
4           Pune           Kolkata
  SP701           10230RS

// -----
-----

//
5           Pune           Jaipur
  AI111           4300RS
// PS C:\Users\DELL\OneDrive\Desktop\Sem 7 prac\SDM>
```