Flight Header

//Fi 3anna composition where each flight has a single linked list containing Country Objects

Class Flight

{

Private:

int flightID;

string departureAirport;

string arrivalAirport;

string stop-overAirport;

string DateDeparture;

string DateArrival;

int Departuretime; //hour

int ArrivalTime; //hour

//single linked list

Forward\_list<Country> trajectory;

Public:

// default constructor kermel ma awal ma luser yekhteri3 his account ysir 3ando metel fake flight

bas kermel n3abbe

Flight();

//Constructor

Flight( int flightID, string departureAirport, string arrivalAirport, string stop-overAirport,

string DateDeparture, string DateArrival, int Departuretime, int ArrivalTime, Forward\_list<Country> trajectory)

//get functions

int getflightID();

string getDepartureAirport();

string getArrivalAirport();

string getStop-overAirport();

string getDateDeparture();

string getArrivalDeparture();

int getHourOfDeparture();

int getArrivalTime();

#there is not getTrajectory functions

//set functions: the set functions are only for the admin access ya3ne fi ID wahad badna n7otto

kermel yghayer fiyon

void setFlightID(int);

void setDepartureAirport(string);

void setArrivalAirport(string);

void setStop-overAirport(string);

void setDateDeparture(string);

void setDateArrival(string);

void setHourOfDeparture(int); // military time

void getArrivalTime(int);

void setTrajectory(&forward\_list<Country> trajectory);

// print function that calls all the get functions

void PrintFlightDetails(); //this print function does not print the trajectory

void PrintTrajectory(); //this function iterates through each node in the list and prints the

country object details by calling the print country function

};