

OBJECT ORIENTED **PROGRAMMING PROJECT** **REPORT**

Flight Reservation System

Description :

The motive of developing airline reservation system is to provide the user with the facility of booking his/her flight tickets through online system.

The System consists of two interfaces :

- Admin
- User

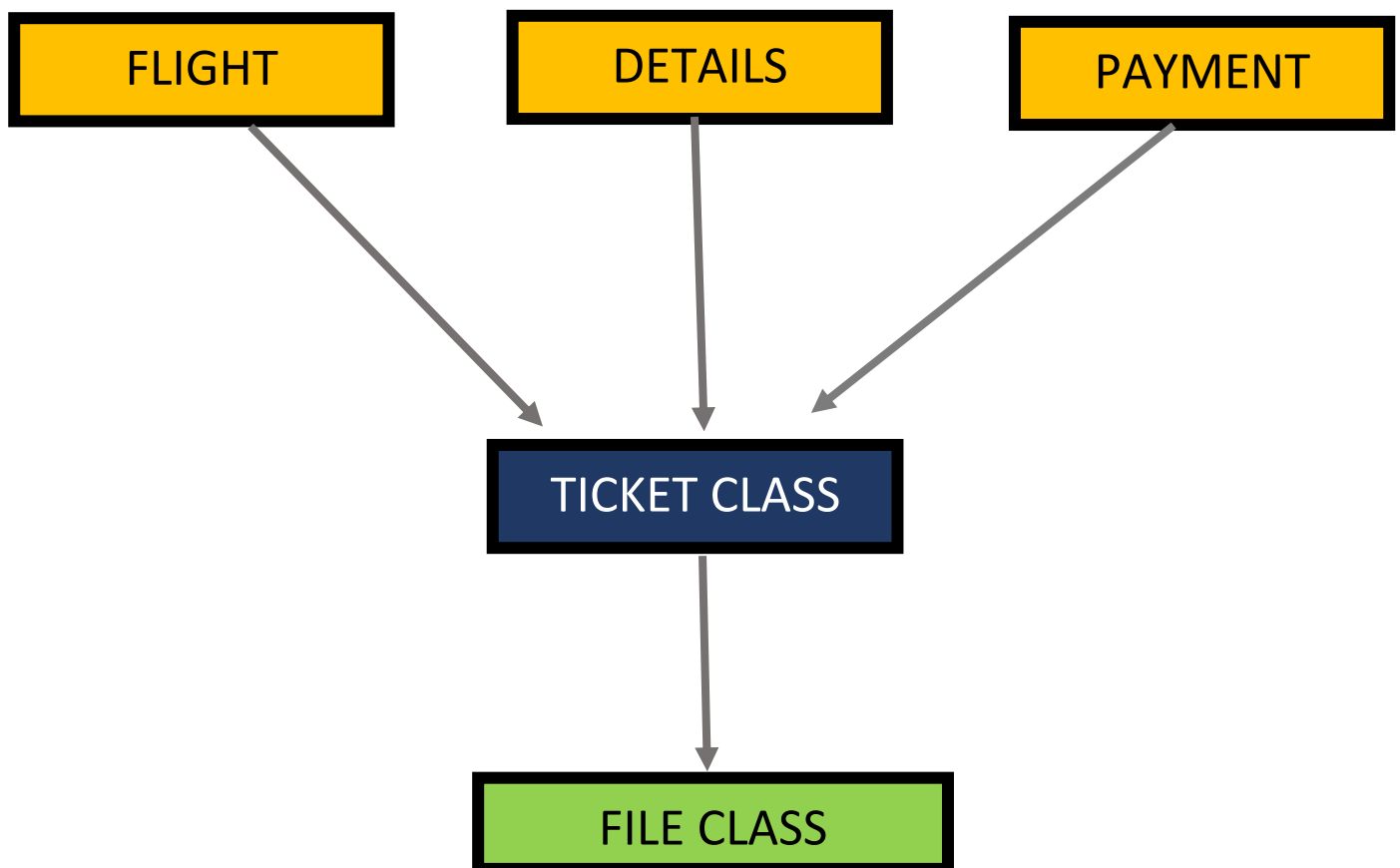
The admin interface consists of three options :

- The admin can know the flight details of the booked flights by different users.
- The admin can check how many airlines available currently in the system.
- The admin can also add a new airline to the system.

The user panel also consists of three options :

- **The user can book a fresh flight to and from a respective location if available in the system.**
- **The user can also check his current booking status of his /her booked flight.**
- **The user can also cancel the booked ticket if he somehow changes his mind.**

Inheritance Diagram :



Class diagrams :

DETAILS

- static string name
- string address
- int age
- long long int phoneNo
- string uniqueID
- void information()

FLIGHT

- int choice1,choice2,back
- static string source, dest, code
- static double cost
- static string choice

- void addFlights()
- string src, dest, code;
- double cost;

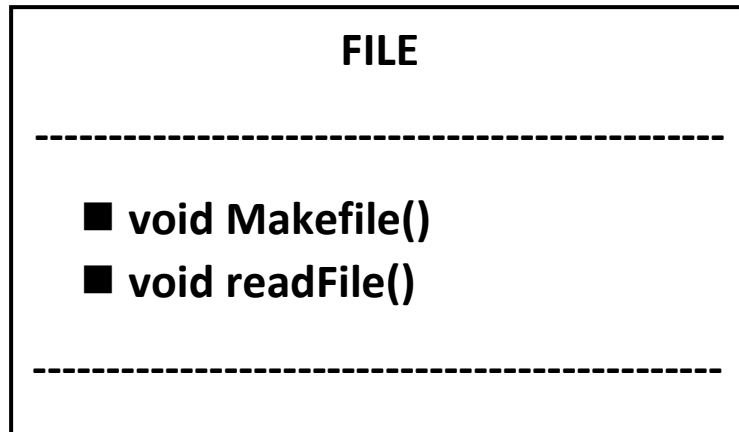
PAYMENT

- static int choice1,pch

- void payment()
- int otp,pin
- string cvv,cardNo,upi

TICKET

- Void print()



Code Flow :

User Flow:

- User selects the "Book a Flight" option from the home screen.
- User enters personal details using the Details Class information function.
- User selects a flight from the available flights displayed using the Flight Class display function.
- User makes payment for the reservation using the Payment Class payment function.
- Ticket is generated and user can choose to print it using the Payment Class payment function.

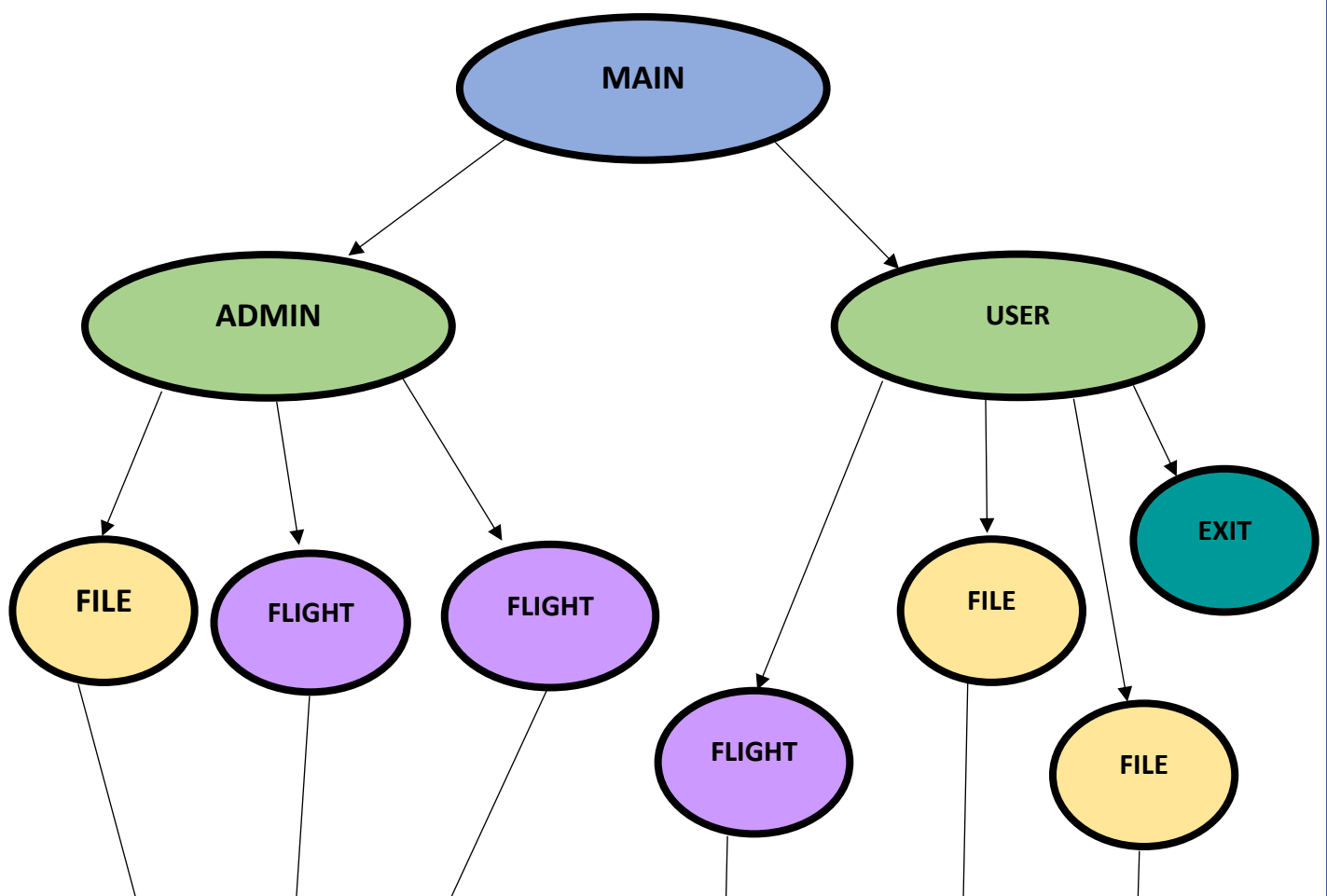
Admin Flow:

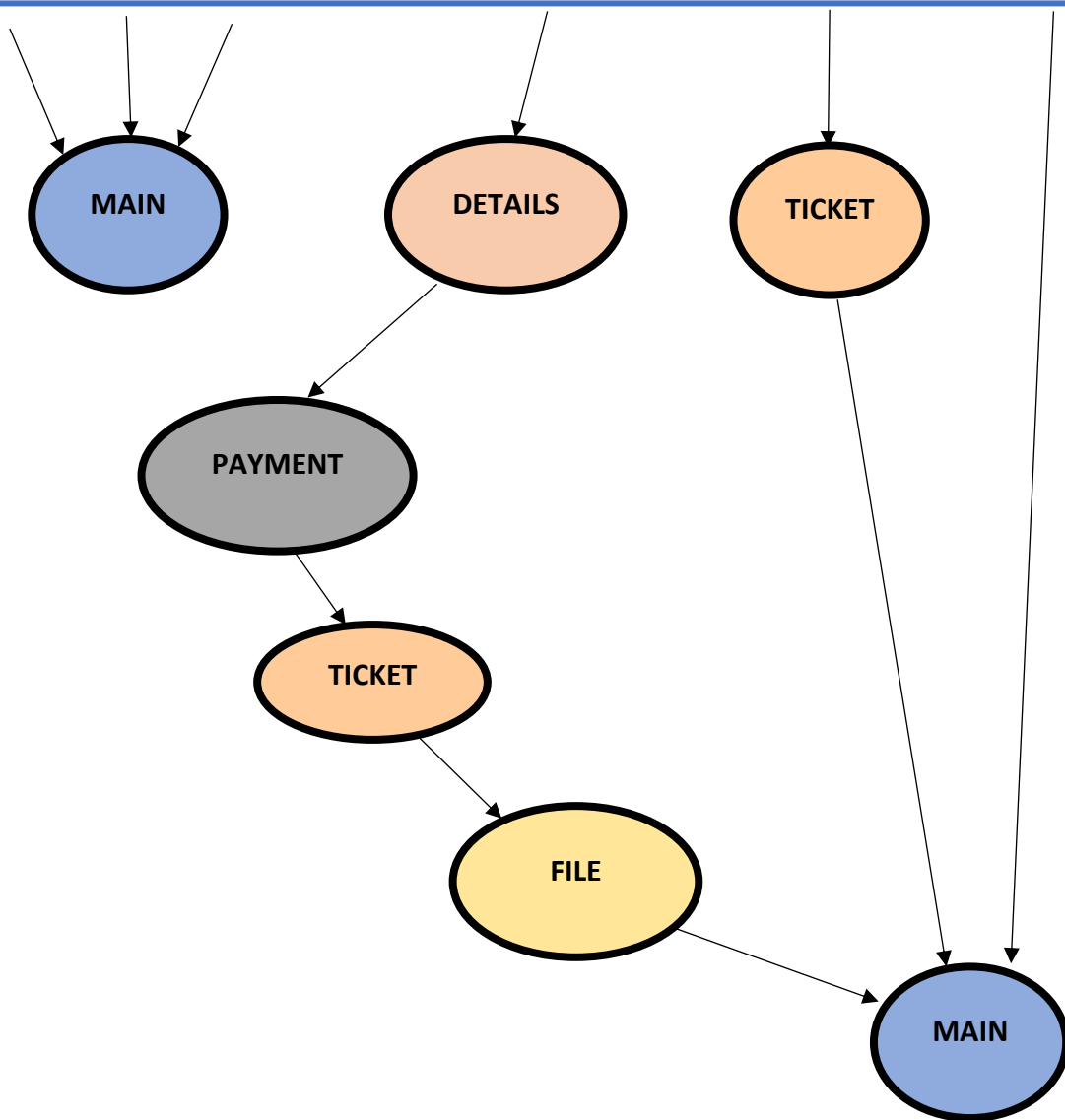
- Admin selects the "Admin Access" option from the home screen.
- Admin can add new flights using the Flight Class addFlights function.

Exit:

User selects the "Exit" option from the home screen to exit the system.

Flow Chart :





-----Thank You-----

Team Members:

- Chirag Kumar (121cs0014)
- Mohammad Danish (121cs0033)
- Ujjwal Verma (121cs0047)
- Suman Shekhar (121cs0035)