**THE FLIGHT BOOKING SYSTEM**

Source Code :

Flights = [

{“id”: 1, “origin”: “trichy”, “destination”: “chennai”, “departure\_time”: “2024-06-05 20:05”, “class”: “Economy”, “fare”: 5393},

{“id”: 2, “origin”: “trichy”, “destination”: “dubai”, “departure\_time”: “2024-06-06 09:00 AM”, “class”: “Business”, “fare”: 13732},

{“id”: 3, “origin”: “trichy”, “destination”: “colombo”, “departure\_time”: “2024-06-07 10:00 PM”, “class”: “Economy”, “fare”: 8764},

{“id”: 4, “origin”: “trichy”, “destination”: “sharjah”, “departure\_time”: “2024-06-08 11:00 PM”, “class”: “Economy”, “fare”: 16172},

{“id”: 5, “origin”: “trichy”, “destination”: “kuwait”, “departure\_time”: “2024-06-23 10:00 AM”, “class”: “Economy”, “fare”: 21638},

{“id”: 6, “origin”: “trichy”, “destination”: “abu dhabi”, “departure\_time”: “2024-06-23 10:45 PM”, “class”: “Economy”, “fare”: 14365},

{“id”: 7, “origin”: “trichy”, “destination”: “hyderabad”, “departure\_time”: “2024-06-23 17:50 PM”, “class”: “Economy”, “fare”: 4427},

{“id”: 8, “origin”: “trichy”, “destination”: “lumpur”, “departure\_time”: “2024-06-23 10:00 PM”, “class”: “Economy”, “fare”: 8944},

{“id”: 9, “origin”: “trichy”, “destination”: “singapore”, “departure\_time”: “2024-06-23 09:25 PM”, “class”: “Economy”, “fare”: 17029},

{“id”: 10, “origin”: “trichy”, “destination”: “bengaluru”, “departure\_time”: “2024-06-23 20:05 PM”, “class”: “Economy”, “fare”: 5900}]

Bookings = []

Def display\_flights():

Print(“\nAvailable Flights:”)

For flight in flights:

Print(f”ID: {flight[‘id’]}, Origin: {flight[‘origin’]}, Destination: {flight[‘destination’]}, Departure: {flight[‘departure\_time’]}, Class: {flight[‘class’]}, Fare: {flight[‘fare’]}”)

Def book\_flight():

Display\_flights()

Flight\_id = int(input(“\nEnter the flight ID to book: “))

Passenger\_name = input(“Enter your name: “)

Citizenship\_number = input(“Enter your citizenship number: “)

Flight = next((f for f in flights if f[“id”] == flight\_id), None)

If flight:

Booking = {

“flight\_id”: flight\_id,

“passenger\_name”: passenger\_name,

“citizenship\_number”: citizenship\_number,

}

Bookings.append(booking)

Print(“Flight booked successfully!\n”)

Print(“Thank you for Booking!!\n”)

Else:

Print(“Invalid flight ID!\n”)

Def view\_bookings():

Print(“\nYour Bookings:”)

For booking in bookings:

Flight = next((f for f in flights if f[“id”] == booking[“flight\_id”]), None)

If flight:

Print(f”Flight ID: {flight[‘id’]}, Origin: {flight[‘origin’]}, Destination: {flight[‘destination’]}, Departure: {flight[‘departure\_time’]}, Class: {flight[‘class’]}, Fare: {flight[‘fare’]}”)

Print(f”Passenger Name: {booking[‘passenger\_name’]}, Citizenship Number: {booking[‘citizenship\_number’]}\n”)

Def cancel\_booking():

View\_bookings()

Citizenship\_number = input(“\nEnter your citizenship number to cancel the booking: “)

Booking = next((b for b in bookings if b[“citizenship\_number”] == citizenship\_number), None)

If booking:

Bookings.remove(booking)

Print(“Booking cancelled successfully!\n”)

Else:

Print(“No booking found with the given citizenship number!\n”)

Def main():

While True:

Print(“Simple Flight Booking System”)

Print(“1. View Flights”)

Print(“2. Book Flight”)

Print(“3. View Bookings”)

Print(“4. Cancel Booking”)

Print(“5. Exit”)

Choice = input(“Enter your choice: “)

If choice == ‘1’:

Display\_flights()

Elif choice == ‘2’:

Book\_flight()

Elif choice == ‘3’:

View\_bookings()

Elif choice == ‘4’:

Cancel\_booking()

Elif choice == ‘5’:

Break

Else:

Print(“Invalid choice! Please try again.\n”)

If \_\_name\_\_ == “\_\_main\_\_”:

Main()