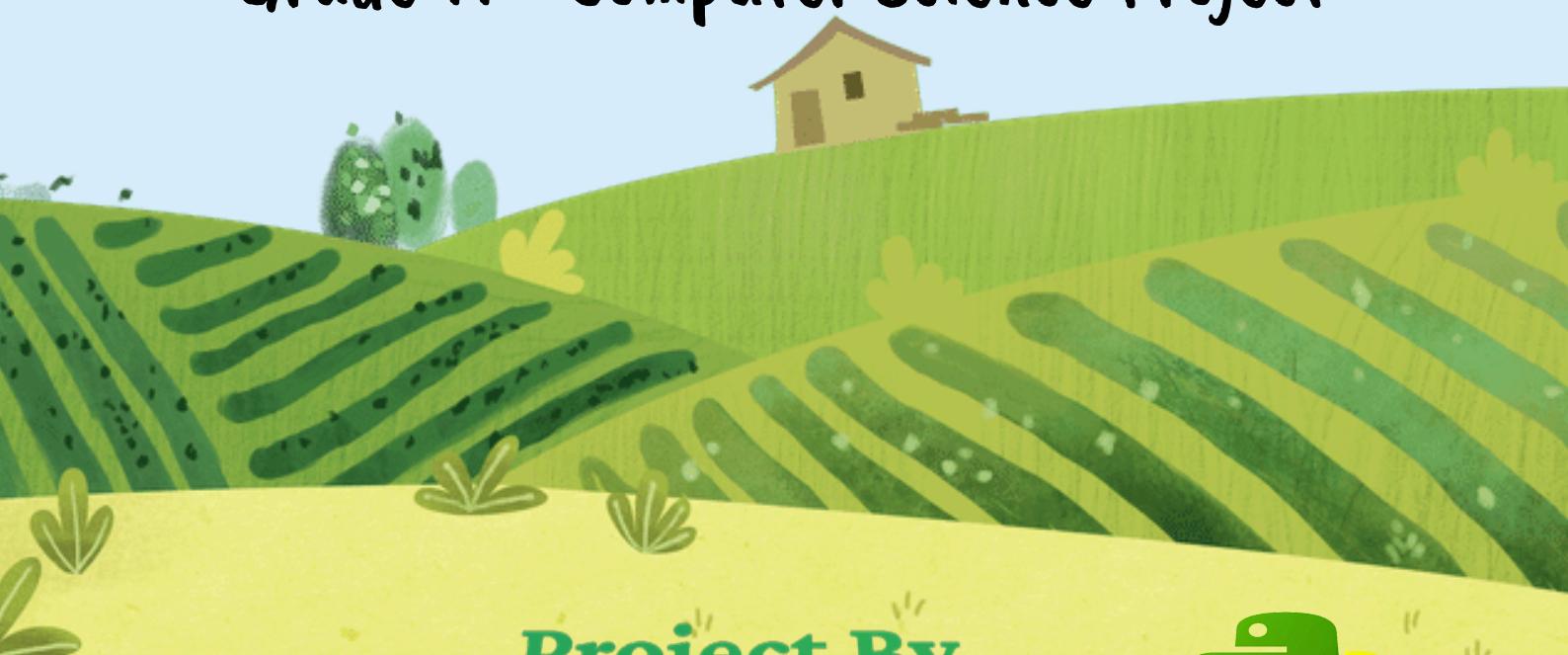




THE DECAM AIR

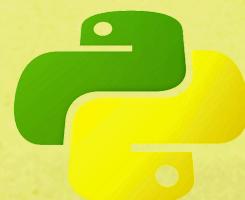
AIRLINES MANAGEMENT SYSTEM

Grade 11 - Computer Science Project



Project By

Tharak V



Surya Prakash A C

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Project By
Tharak v
Surya Prakash A C

ABSTRACT

THE AIRLINE MANAGEMENT SYSTEM IS A SIMPLE MENU-DRIVEN PYTHON PROJECT CREATED TO MANAGE BASIC FLIGHT INFORMATION. THE MAIN AIM OF THIS PROJECT IS TO STORE AND DISPLAY DETAILS OF FLIGHTS IN AN EASY AND ORGANIZED WAY. THE SYSTEM ALLOWS THE USER TO ADD FLIGHT DETAILS, VIEW ALL FLIGHTS, SEARCH FOR A PARTICULAR FLIGHT, AND VIEW PASSENGER DETAILS.

THIS PROJECT IS DEVELOPED USING BASIC PYTHON CONCEPTS SUCH AS LISTS, DICTIONARIES, FUNCTIONS, LOOPS, AND CONDITIONAL STATEMENTS. AN “ABOUT US” OPTION IS ALSO INCLUDED TO PROVIDE INFORMATION ABOUT THE PROJECT AND THE STUDENT. THE PROGRAM IS EASY TO UNDERSTAND AND USER-FRIENDLY.

THE AIRLINE MANAGEMENT SYSTEM HELPS STUDENTS UNDERSTAND HOW PROGRAMMING CAN BE USED TO SOLVE REAL-LIFE PROBLEMS.



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Surya Prakash A C

2

Requirement Analysis

The Airline Management System is designed to make the process of flight ticket booking simple and user-friendly. Before developing the system, the following requirements were identified.

Hardware Requirements

COMPUTER OR LAPTOP

MINIMUM 4 GB RAM

DUAL CORE CPU

KEYBOARD AND MOUSE

PRINTER (OPTIONAL)

Software Requirements

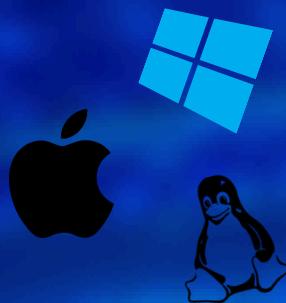
PYTHON VERSION - PYTHON 3 AND ABOVE VERSION

OPERATING SYSTEM -

- **WINDOWS**
- **MACOS**
- **LINUX**

EDITOR

- **IDLE**
- **VS CODE**
- **NOTEPAD**



3

DECCAN AIR

APPLICATION

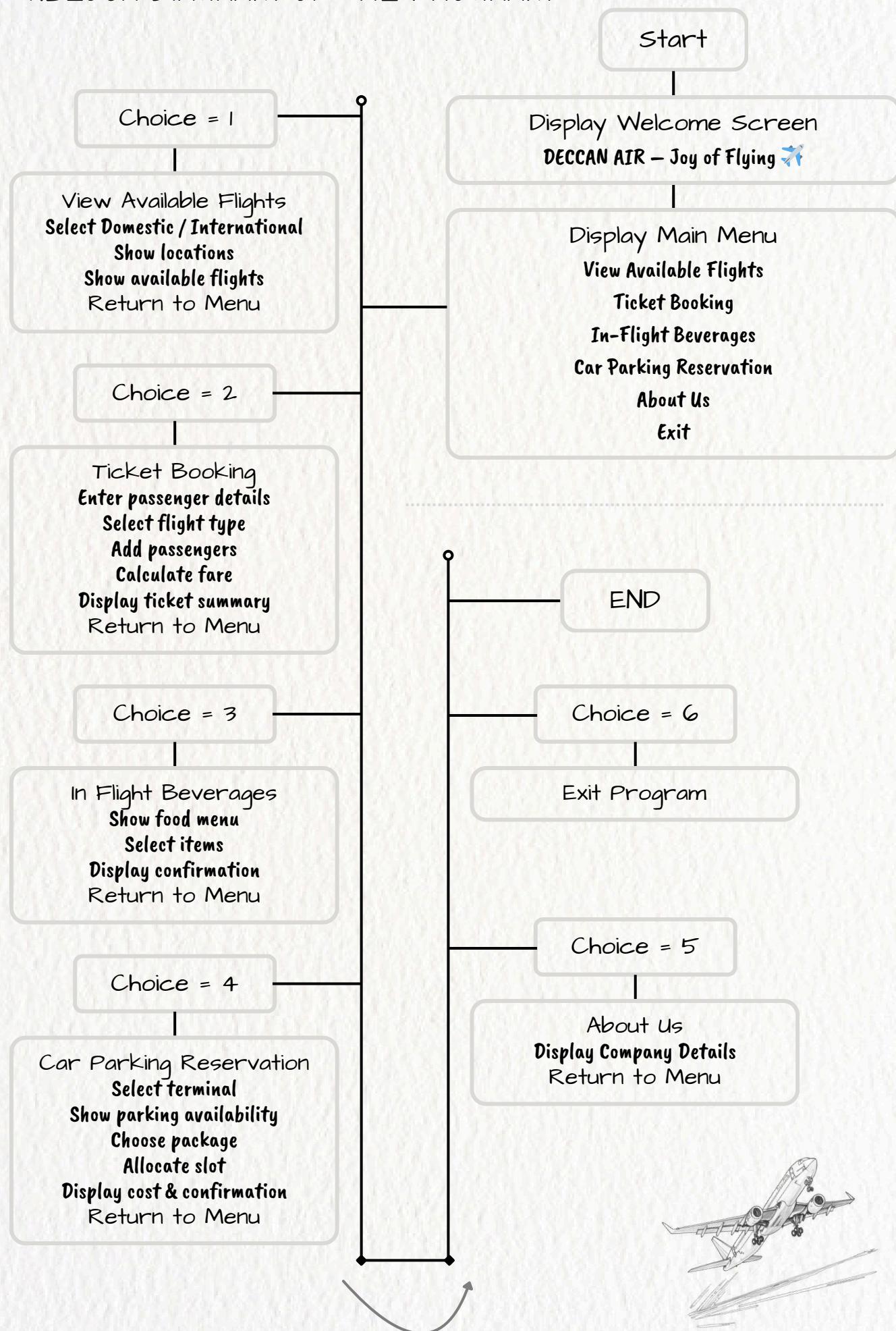
APPLICATION OF AIRLINE MANAGEMENT SYSTEM

THIS PROGRAM CAN BE USED FOR:

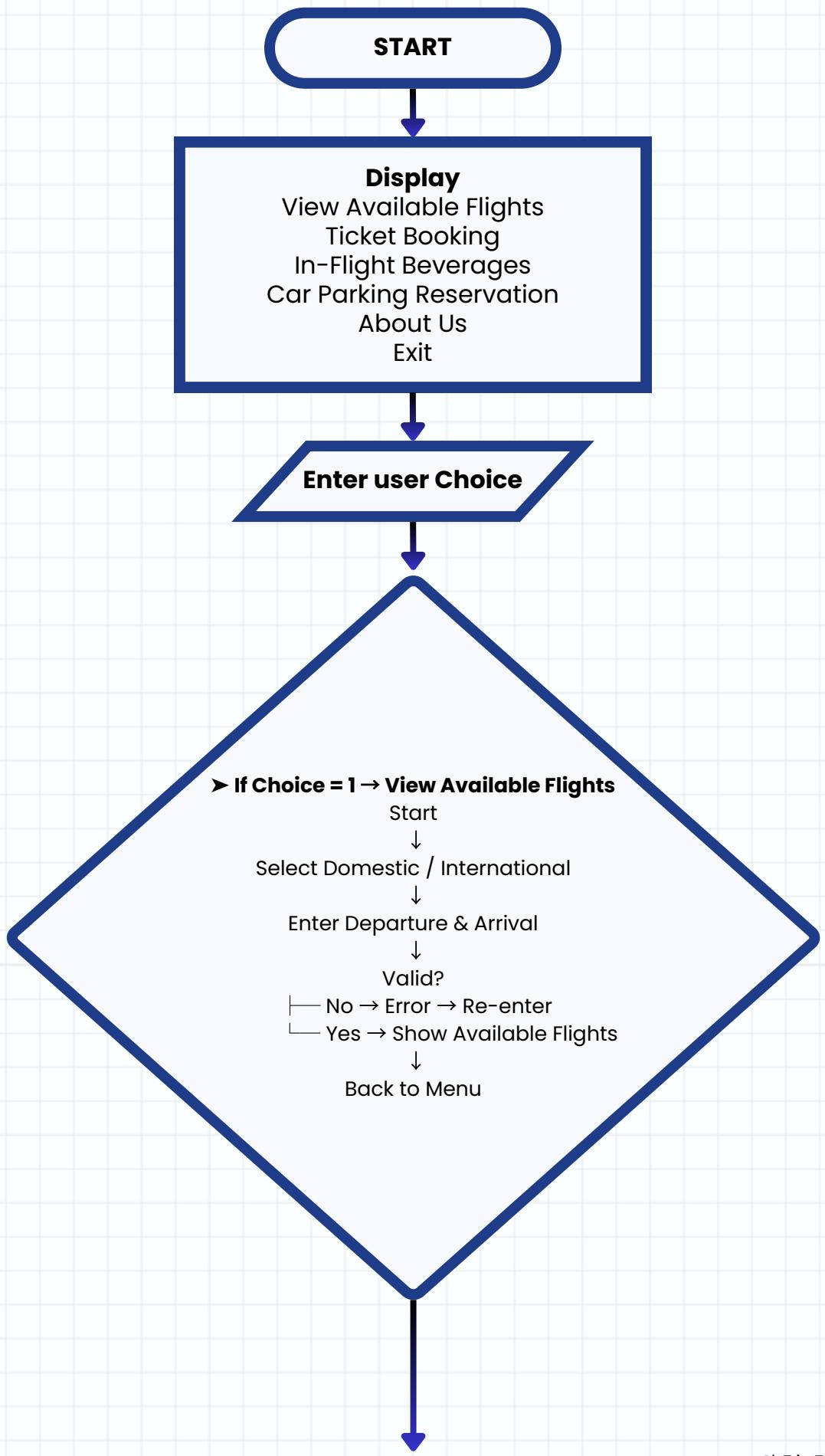
- BOOKING DOMESTIC AND INTERNATIONAL FLIGHTS QUICKLY 
- KEEPING PASSENGER RECORDS IN A NEAT LIST/DICTIONARY 
- CALCULATING FARES AUTOMATICALLY BASED ON PASSENGERS AND FLIGHT TYPE 
- HELPING SMALL AIRLINES OR TRAINING PROJECTS SIMULATE REAL-LIFE TICKETING 
- CAN BE USED IN SCHOOLS/COLLEGES TO TEACH BASIC PYTHON AND DATABASE LOGIC 



4.BLOCK DIAGRAM OF THE PROGRAM



5.FLOWCHART



► If Choice = 2 → **Ticket Booking**

Enter Passenger Details

↓
Select Flight Type

↓
Add More Passengers?

|— Yes → Loop
|— No

↓
Calculate Fare

↓
Payment

↓
Ticket Confirmation

↓
Back to Menu

► If Choice = 3 → **In Flight Food**

Display Food Menu

↓
Select Food Item

↓
Enter Quantity

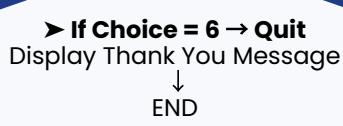
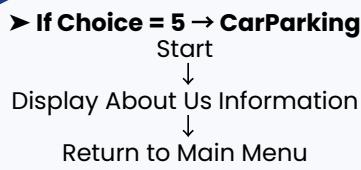
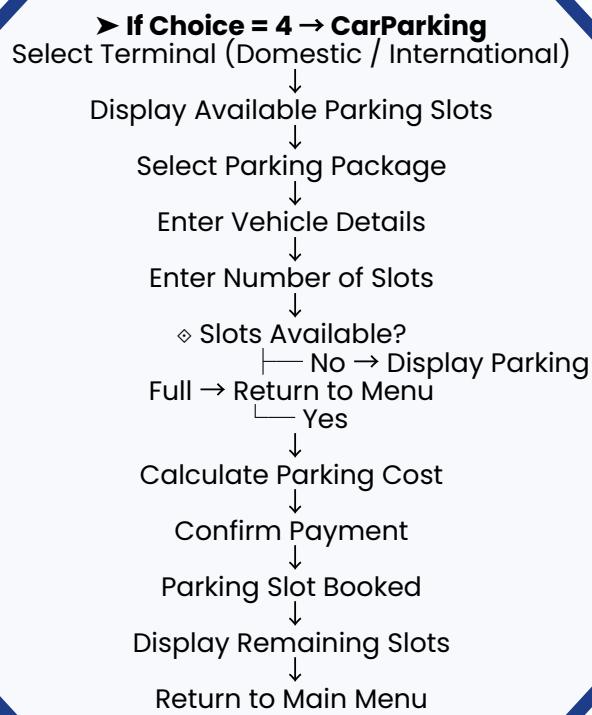
↓
◊ Add More Items?
|— Yes → Select Food Item
|— No

↓
Calculate Food Bill

↓
Confirm Order

↓
Display Order Summary

↓
Return to Main Menu



THE DECCAN AIR

6.Algorithm of the program



Step 1: Start the program.

Step 2: Print the welcome message

→ "WELCOME TO DECCAN AIR"

→ Show the main menu options:

 View Available Flights

 Ticket Booking

 In-Flight Beverages

 Car Parking Spot Reservation

 About Us

 Quit

Step 3: Ask the user to enter their choice.

Step 4: Check the user's choice:

Step 5: If choice = 1 (View Available Flights):

 Ask the user to choose flight type (Domestic / International)

 Display available departure and arrival locations

 Compute user input

 Display the available airline

 Save departure and arrival details



Step 6: If choice = 2 (Ticket Booking):

 Get passenger details (Name, Age, Phone, Aadhar, Email)

 Ask flight type (Domestic / International)

 Display available locations

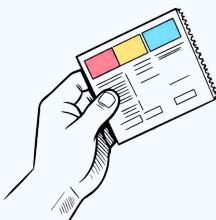
 Allow adding multiple passengers

 Calculate total fare based on flight type and passenger count

 Ask for payment receipt ID

 Display ticket summary and passenger details

 Confirm successful ticket booking

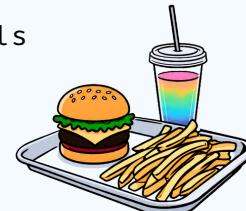


Step 7: if choice = 3 (In-Flight Beverages):

 Display available beverages

 Allow user to select items

 Confirm beverage selection



Step 8: If choice = 4 (Car Parking Spot Reservation):

 Ask the user to select terminal (Domestic / International)

 Display available parking slots and packages

 Get vehicle and user details

 Ask number of parking slots required

 Check slot availability

 Compute parking cost based on selected package

 Confirm booking and display remaining slots



Step 9: if choice = 5 (About Us):

 Display information about Deccan Air and its services

Step 10: If choice = 6 (Quit):

 Display exit message

 Terminate the program



Step 11: If an invalid choice is entered:

 Display error message

 Return to main menu

Step 12: Repeat steps until the user chooses to exit.

Step 13: End the program.

7

SOURCE CODE

```
passengers = []
while True:
    print("\nWELCOME TO DECCANAIR ✈")
    print("\nJoy Of Flying")
    print("1. View Available Flights ✈")
    print("2. Ticket Booking 🎟")
    print("3. In-Flight Beverages 🍷")
    print("4. Car Parking Spot Reservation 🚗")
    print("5. About Us 💬")
    print("6. Quit 🔜")

choice = int(input("\nEnter your choice from 1-6: "))

# ====== VIEW AVAILABLE FLIGHTS ======
# ====== SURYA PRAKASH ======
if choice == 1:
    passengers = []
    od = input("Enter the type (international/domestic): ").lower()

    # ====== INTERNATIONAL ======
    if od == "international":
        menu = ["malaysia", "thailand", "singapore", "srilanka",
"america", "england"]
        menu2 = ["chennai", "delhi", "orissa", "ahemedabad", "hyderabad"]

        print("\nArrival menu:", menu)
        print("Departure menu:", menu2)

        while True:
            departure = input("\nEnter your departure from menu2:
").lower()
            arrival = input("Enter your arrival from menu: ").lower()

            if departure not in menu2:
                print("X Departure not available, try again")
            elif arrival not in menu:
                print("X Arrival not available, try again")
            else:
                if arrival == "malaysia":
                    print("Air India flight available")
                elif arrival == "thailand":
                    print("Air Asia flight available")
```

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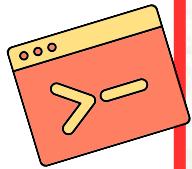
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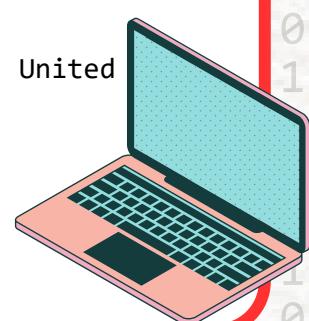
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```
elif arrival == "singapore":  
    print("Indigo flight available")  
elif arrival == "srilanka":  
    print("Air India flight available")  
elif arrival == "america":  
    print("Kingfisher flight available")  
elif arrival == "england":  
    print("England Airlines flight available")  
  
    passengers.append({  
        "Departure": depature,  
        "Arrival": arrival  
    })  
    break  
  
# ===== DOMESTIC =====  
elif od == "domestic":  
    depature_menu = ["chennai", "andhrapradesh", "delhi", "mumbai",  
"bengaluru", "kolkata"]  
    arrival_menu = ["chennai", "delhi", "orisa", "ahemedabadh",  
"hyderabad",  
                "andhrapradesh", "mumbai", "bengaluru", "kolkata"]  
  
    print("\nDeparture menu:", depature_menu)  
    print("Arrival menu:", arrival_menu)  
  
    while True:  
        depature = input("\nEnter your departure from depature_menu:  
.lower()  
        arrival = input("Enter your arrival from arrival_menu:  
.lower()  
  
        if depature not in depature_menu:  
            print("X Departure not available, try again")  
        elif arrival not in arrival_menu:  
            print("X Arrival not available, try again")  
        else:  
            if arrival == "chennai":  
                print("Air India flight available")  
            elif arrival == "delhi":  
                print("Air Asia flight available")  
            elif arrival == "orisa":  
                print("Indigo flight available")  
            elif arrival == "ahemedabadh":  
                print("Air India flight available")  
            elif arrival == "mumbai":  
                print("Kingfisher flight available")  
            elif arrival == "hyderabad":  
                print("Indian Airlines flight available")
```



```
elif arrival == "andhrapradesh":  
    print("Air India flight available")  
elif arrival == "bengaluru":  
    print("Air Asia flight available")  
elif arrival == "kolkata":  
    print("Indigo flight available")  
  
    passengers.append({  
        "Departure": depature,  
        "Arrival": arrival  
    })  
    break  
  
else:  
    print("X Invalid type entered")  
  
# ===== TICKET BOOKING =====  
# =====THARAK=====  
elif choice == 2:  
    passengers = []  
  
    # First passenger details  
    name = input("\nEnter your name: ")  
    age = int(input("Enter your age: "))  
    phone = input("Enter your phone number: ")  
    aadhar = input("Enter your Aadhar ID: ")  
    email = input("Enter your mail ID: ")  
  
    passengers.append({  
        "Name": name,  
        "Age": age,  
        "Phone": phone,  
        "Aadhar": aadhar,  
        "Email": email  
    })  
  
    print("\n✓ Your details are saved successfully")  
    print("\nDomestic Package : ₹12,000")  
    print("International Package : ₹80,000")  
  
while True:  
    Intdo = input("\nChoose Flight Type (Domestic/International):").capitalize()  
    if Intdo == "International":  
        print("\nAvailable Countries:")  
        print("Singapore, Malaysia, Sri Lanka, Pakistan, United States, South Korea")  
        break  
    elif Intdo == "Domestic":  
        print("\nAvailable States:")
```



```
        print("Tamil Nadu, Karnataka, Kerala, Andhra Pradesh, Delhi,  
Mumbai, Odisha")  
            break  
        else:  
            print("X Not valid. Please enter again.")
```

```
From = input("\nEnter your departure location: ")  
To = input("Enter your arrival location: ")
```

```
# Additional passengers  
while True:
```

```
    per = input("\nAdd another person? (Yes/No): ").lower()  
    if per == "yes":
```

```
        new_passenger = {  
            "Name": input("Enter new passenger name: "),  
            "Age": int(input("Enter age: ")),  
            "Phone": input("Enter phone number: "),  
            "Aadhar": input("Enter Aadhar ID: ")),  
            "Email": input("Enter mail ID: ")  
        }
```

```
        passengers.append(new_passenger)  
    elif per == "no":  
        break
```

```
    else:  
        print("X Please enter Yes or No.")
```

```
# Fare calculation
```

```
Pers = len(passengers)
```

```
fare = Pers * 80000 if Intdo == "International" else Pers * 12000
```

```
Payment = input("\nEnter the receipt ID: ")
```

```
# Ticket summary
```

```
print("\n📄 TICKET DETAILS")
```

```
print("-----")
```

```
print("Flight Type : ", Intdo)
```

```
print("Departure : ", From)
```

```
print("Arrival : ", To)
```

```
print("Passengers : ", Pers)
```

```
print("Total Fare : ₹", fare)
```

```
print("Payment ID : ", Payment)
```

```
print("\n👤 PASSENGER DETAILS")
```

```
count = 1
```

```
for p in passengers:
```

```
    print("\nPassenger", count)
```

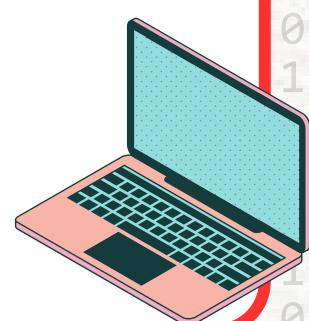
```
    for key, value in p.items():
```

```
        print(key, ":", value)
```

```
    count += 1
```

```
print("\n🎉 Ticket Booked Successfully!")
```

```
print("Thank you for choosing DECCAN AIR ✈️")
```



```

# ===== IN-FLIGHT BEVERAGES =====
# ===== SURYAPRAKASH =====
elif choice == 3:
    if not passengers:
        print("X No passengers booked yet! Please book a ticket first.")
        continue

    print("\nNON-VEG FOOD PACKAGE = $800")
    print("VEG FOOD PACKAGE = $500")

    food_type = input("Enter your choice (NON VEG / VEG): ").upper()

    if food_type == "NON VEG":
        NON_VEG_MENU = ["CHICKEN BRIYANI", "MUTTON BRIYANI", "TANDOORI",
"LOBSTER", "GRILLED KEBABS", "BOILED EGGS"]
        print("\nAvailable NON-VEG In-Flight Beverages Menu:")
        print(", ".join(NON_VEG_MENU))

        while True:
            selected_food = input("\nEnter your choice from the NON-VEG
menu: ").upper()
            if selected_food not in NON_VEG_MENU:
                print("X Selected item not available, please try again")
            else:
                print("✓ Your choice is saved successfully")
                break

    elif food_type == "VEG":
        VEG_MENU = ["PANEER TIKKA", "VEG BRIYANI", "SALAD", "CHAPATI",
"VEG NOODLES"]
        print("\nAvailable VEG In-Flight Beverages Menu:")
        print(", ".join(VEG_MENU))

        while True:
            selected_food = input("\nEnter your choice from the VEG menu:
").upper()
            if selected_food not in VEG_MENU:
                print("X Selected item not available, please try again")
            else:
                print("✓ Your choice is saved successfully")
                break
            else:
                print("X Invalid choice entered!")
                continue

    num_passengers = len(passengers)
    food_fare = num_passengers * (800 if food_type == "NON VEG" else 500)

```



```

food_payment_id = input("\nEnter the food receipt ID: ")

    print("\n FOOD / IN-FLIGHT BEVERAGES DETAILS")
    print("-----")
    print("Food Type      :", food_type)
    print("Selected Item   :", selected_food)
    print("Number of Orders:", num_passengers)
    print("Total Fare      : ₹", food_fare)
    print("Payment ID      :", food_payment_id)

    print("\n🎉 In-Flight Beverages Booked Successfully!")
    print("Thank you for choosing DECCAN AIRLINES ✈️")
# ===== CAR PARKING SPOT RESERVATION =====
# ===== THARAK =====
elif choice == 4:
    print("\nWELCOME TO DECCAN AIR")
    print("\nReserve your Car Parking spot")
    terminal = input("Boarding Terminal: (International / Domestic)").lower()

# ===== INTERNATIONAL =====
if terminal == "international":
    print("\n Welcome to International Terminal Car Parking")
    print("\n Parking Slot Available:50")
    print("Parking Spot Packages")
    print("1.One Week : ₹800")
    print("2.One Month: ₹3500")

    name1 = input("Name:")
    verno = input("Vehicle Number:")
    vehtype = input("Vehicle Type(SUV / SEDAN / HATCHBACK / etc):")

    package = int(input("choose your package (1/2) :"))

    total_slot = 50
    booked_slot = 0

    if package == 1:
        n = int(input("Number of Parking spots :"))
        print("your data has been saved")

        n1 = input("would you like to proceed (Yes/No:).lower()

        if n1 == "yes":
            if booked_slot + n <= total_slot:
                booked_slot += n
                available_slots = total_slot - booked_slot
                print("✅ Parking slot booked successfully")
                print("Total Cost:", n * 800)
                payy = input("enter the receipt ID:")
                print("Thank you for Booking a Parking slot")
                print("Available Slots:", available_slots)

```



```

        else:
            print("X Parking Full")

    elif package == 2:
        n = int(input("Number of Parking spots :"))
        print("your data has been saved")

        n1 = input("would you like to proceed (Yes/No:).lower()

        if n1 == "yes":
            if booked_slot + n <= total_slot:
                booked_slot += n
                available_slots = total_slot - booked_slot
                print("✓ Parking slot booked successfully")
                print("Total Cost:", n * 3500)
                payy = input("enter the receipt ID:")
                print("Thank you for Booking a Parking slot")
                print("Available Slots:", available_slots)
            else:
                print("X Parking Full")
        else:
            print("Invalid package choice")
# ===== DOMESTIC =====
    elif terminal == "domestic":
        print("\n Welcome to Domestic Terminal Car Parking")
        print("\n Parking Slot Available:70")
        print("Parking Spot Packages")
        print("1.One Week : ₹500")
        print("2.One Month: ₹2000")

        name1 = input("Name:")
        vehno = input("Vehicle Number:")
        vehtype = input("Vehicle Type(SUV / SEDAN / HATCHBACK / etc):")

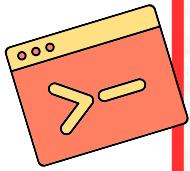
        package = int(input("choose your package (1/2) :"))

        total_slot = 70
        booked_slot = 0

        if package == 1:
            n = int(input("Number of Parking spots :"))
            print("your data has been saved")

            n1 = input("would you like to proceed (Yes/No:).lower()
            if n1 == "yes":
                if booked_slot + n <= total_slot:
                    booked_slot += n
                    available_slots = total_slot - booked_slot
                    print("✓ Parking slot booked successfully")
                    print("Total Cost:", n * 500)
                    payy = input("enter the receipt ID:")
                    print("Thank you for Booking a Parking slot")
                    print("Available Slots:", available_slots)

```



```

        else:
            print("X Parking Full")

    elif package == 2:
        n = int(input("Number of Parking spots :"))
        print("your data has been saved")

        n1 = input("would you like to proceed (Yes/No:)").lower()

        if n1 == "yes":
            if booked_slot + n <= total_slot:
                booked_slot += n
                available_slots = total_slot - booked_slot
                print("✓ Parking slot booked successfully")
                print("Total Cost:", n * 2000)
                payy = input("enter the receipt ID:")
                print("Thank you for Booking a Parking slot")
                print("Available Slots:", available_slots)
            else:
                print("X Parking Full")
        else:
            print("Invalid package choice")

    else:
        print("Invalid terminal choice")
#===== ABOUT US=====
#=====THARAK=====

    elif choice == 5:
        print("\nABOUT US")
        print("DECCAN AIR is a conceptual airline management system developed as a Python menu-driven application.")
        print("\n====")
        print("The main aim of this project is to demonstrate the practical use of Python programming concepts")
        print("such as conditional statements, loops, user input handling, and basic data management.")
        print("\n====")
        print("This application provides multiple services including flight information, ticket booking, in-flight food services, and car parking reservation")
        print("Each module is designed to simulate real-world airline operations in a simple and user-friendly manner.")
        print("\n====")
        print("The project has been developed as part of the Computer Science curriculum to enhance logical thinking, problem-solving skills,")
        print("\n====")
        print("\nThank you")

```



```
=====
#==== tharak=====
elif choice == 6:
    import time #TIME MODULE

    print("Exiting.")
    time.sleep(0.5)
    print("Exiting..")
    time.sleep(0.5)
    print("Exiting...")
    time.sleep(0.5)
    print("\nThank you for using DECCAN AIR ✈")
    print("\nHave a Safe Flight")
    break
else:
    print("\nInvalid Choice")
    print("Enter Choice from 1 TO 6")
```



📌 Scan to view and
download full Python
source code



OR

GitHub Repository:

<https://github.com/8270AlwinZion/THE-DECCAN-AIR>



8 .FINAL OUTPUT



THE DECCAN AIR.py



```
Python 3 | Output Program | Successful Execution | 18/01/2026
>>> WELCOME TO DECCANAIR ✈️

Joy Of Flying
1. View Available Flights ✈️
2. Ticket Booking ✨
3. In-Flight Beverages 🍷
4. Car Parking Spot Reservation 🚗
5. About Us 💬
6. Quit 🔜

Enter your choice from 1-6: 1
Enter the type (international/domestic): international

Arrival menu: ['malayisa', 'thailand', 'singapore', 'srilanka',
'america', 'england']
Departure menu: ['chennai', 'delhi', 'orissa', 'ahemedabadh',
'hyderabad']

Enter your departure from menu2: chennai
Enter your arrival from menu: malaysa
✗ Arrival not available, try again

Enter your departure from menu2: orissa
Enter your arrival from menu: thailand
Air Asia flight available

WELCOME TO DECCANAIR ✈️

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5. About Us 💬
6. Quit 🔜

Enter your choice from 1-6: 2

Enter your name: AlwinZion
Enter your age: 16
Enter your phone number: 12345 67890
Enter your Aadhar ID: 1234 5678 9012
Enter your mail ID: alwinzionschool@schoolmail.co.in

✓ Your details are saved successfully
```



THE DECCAN AIR.py



```
Domestic Package : ₹12,000
International Package : ₹80,000

Choose Flight Type (Domestic/International): Domestic

Available States:
Tamil Nadu, Karnataka, Kerala, Andhra Pradesh, Delhi, Mumbai,
Odisha

Enter your departure location: Tamilnadu
Enter your arrival location: Kerala

Add another person? (Yes/No): Yes
Enter new passenger name: ZionAlwin
Enter age: 22
Enter phone number: 09876 54321
Enter Aadhar ID: 0987 6543 2109
Enter mail ID: zionalwin@school.mail.co.in

Add another person? (Yes/No): No

Enter the receipt ID: 1234567890
```

📄 TICKET DETAILS

```
-----
Flight Type : Domestic
Departure   : Tamilnadu
Arrival     : Kerala
Passengers  : 2
Total Fare  : ₹ 24000
Payment ID  : 1234567890
```

👤 PASSENGER DETAILS

```
Passenger 1
Name : AlwinZion
Age : 16
Phone : 12345 67890
Aadhar : 1234 5678 9012
Email : alwinzionschool@schoolmail.co.in
```

```
Passenger 2
Name : ZionAlwin
Age : 22
Phone : 09876 54321
Aadhar : 0987 6543 2109
Email : zionalwin@school.mail.co.in
```

```
🎉 Ticket Booked Successfully!
Thank you for choosing DECCAN AIR ✈️
```



THE DECCAN AIR.py



WELCOME TO DECCANAIR ✈

- Joy Of Flying
- 1. View Available Flights ✈
- 2. Ticket Booking 🎟
- 3. In-Flight Beverages 🍹
- 4. Car Parking Spot Reservation 🚗
- 5. About Us 💬
- 6. Quit 🛑

Enter your choice from 1-6: 2

Enter your name: ALWINZIONSCH
Enter your age: 56
Enter your phone number: 12342 99832
Enter your Aadhar ID: 1234 5634 2352
Enter your mail ID: Zionacsch@schmail.co.in

Your details are saved successfully

Domestic Package : ₹12,000
International Package : ₹80,000

Choose Flight Type (Domestic/International): International

Available Countries:

Singapore, Malaysia, Sri Lanka, Pakistan, United States, South Korea

Enter your departure location: Singapore
Enter your arrival location: India

Add another person? (Yes/No): No

Enter the receipt ID: 12359

📄 TICKET DETAILS

Flight Type : International
Departure : Singapore
Arrival : India
Passengers : 1
Total Fare : ₹ 80000
Payment ID : 12359

👤 PASSENGER DETAILS

Passenger 1
Name : ALWINZIONSCH
Age : 56
Phone : 12342 99832
Aadhar : 1234 5634 2352
Email : Zionacsch@schmail.co.in



THE DECCAN AIR.py



 Ticket Booked Successfully!
Thank you for choosing DECCAN AIR 

WELCOME TO DECCANAIR

Joy Of Flying

1. View Available Flights 
 2. Ticket Booking 
 3. In-Flight Beverages 
 4. Car Parking Spot Reservation 
 5. About Us 
 6. Quit 

Enter your choice from 1-6: 3

 NON-VEG FOOD PACKAGE = \$800

 VEG FOOD PACKAGE = \$500

Enter your choice (NON VEG / VEG): VEG

Available VEG In-Flight Beverages Menu:

PANEER TIKKA, VEG BRIYANI, SALAD, CHAPATI, VEG NOODLES

Enter your choice from the VEG menu: PANNER TIKKA

 Selected item not available, please try again

Enter your choice from the VEG menu: Salad

 Your choice is saved successfully

Enter the food receipt ID: 1234567890

 FOOD / IN-FLIGHT BEVERAGES DETAILS

Food Type : VEG
Selected Item : SALAD
Number of Orders: 1
Total Fare : ₹ 500
Payment ID : 1234567890

 In-Flight Beverages Booked Successfully!
Thank you for choosing DECCAN AIRLINES 

WELCOME TO DECCANAIR

Joy Of Flying

1. View Available Flights 
 2. Ticket Booking 
 3. In-Flight Beverages 
 4. Car Parking Spot Reservation 
 5. About Us 
 6. Quit 



THE DECCAN AIR.py



Enter your choice from 1-6: 3

NON-VEG FOOD PACKAGE = \$800

VEG FOOD PACKAGE = \$500

Enter your choice (NON VEG / VEG): NON VEG

Available NON-VEG In-Flight Beverages Menu:

CHICKEN BRIYANI, MUTTON BRIYANI, TANDOORI, LOBSTER, GRILLED KEBABS, BOILED EGGS

Enter your choice from the NON-VEG menu: TANDOORI

✓ Your choice is saved successfully

Enter the food receipt ID: 123423523

FOOD / IN-FLIGHT BEVERAGES DETAILS

Food Type : NON VEG

Selected Item : TANDOORI

Number of Orders: 1

Total Fare : ₹ 800

Payment ID : 123423523

🎉 In-Flight Beverages Booked Successfully!

Thank you for choosing DECCAN AIRLINES ✈️

WELCOME TO DECCANAIR ✈️

Joy Of Flying

1. View Available Flights ✈️
2. Ticket Booking 🎟️
3. In-Flight Beverages 🍷
4. Car Parking Spot Reservation 🚗
5. About Us 💬
6. Quit 🚪

Enter your choice from 1-6:4

WELCOME TO DECCAN AIR

Reserve your Car Parking spot

Boarding Terminal: (International / Domestic):International

Welcome to International Terminal Car Parking

Parking Slot Available:50

Parking Spot Packages

1. One Week : ₹800

2. One Month: ₹3500

Name:Alwin

Vehicle Number:TN11BB1234

Vehicle Type(SUV / SEDAN / HATCHBACK / etc):SUV



THE DECCAN AIR.py



- 4. Car Parking Spot Reservation 🚗
- 5. About Us 💬
- 6. Quit ⏪

Enter your choice from 1-6: 5

ABOUT US

DECCAN AIR is a conceptual airline management system developed as a Python menu-driven application.

=====

=====

The main aim of this project is to demonstrate the practical use of Python programming concepts such as conditional statements, loops, user input handling, and basic data management.

=====

=====

This application provides multiple services including flight information, ticket booking, in-flight food services, and car parking reservation

Each module is designed to simulate real-world airline operations in a simple and user-friendly manner.

=====

=====

The project has been developed as part of the Computer Science curriculum to enhance logical thinking, problem-solving skills, It also helps to understand how software solutions can be applied to real-life scenarios.

Thank you

WELCOME TO DECCANAIR ✈️

- Joy Of Flying
- 1. View Available Flights ✈️
 - 2. Ticket Booking 🎟️
 - 3. In-Flight Beverages 🍷
 - 4. Car Parking Spot Reservation 🚗
 - 5. About Us 💬
 - 6. Quit ⏪

Enter your choice from 1-6:6

Exiting.

Exiting..

Exiting...



THE DECCAN AIR.py



```
Thank you for using DECCAN AIR ✈  
Have a Safe Flight  
===== RESTART: C:\Drive\THE DECCAN AIR.py =====  
WELCOME TO DECCANAIR ✈  
Joy Of Flying  
1. View Available Flights ✈  
2. Ticket Booking 🎟  
3. In-Flight Beverages 🍷  
4. Car Parking Spot Reservation 🚗  
5. About Us 💬  
6. Quit 🚪  
Enter your choice from 1-6: 7  
Invalid Choice  
Enter Choice from 1 TO 6
```

Future Enhancement

- **ONLINE PAYMENT INTEGRATION:** PAY VIA UPI, WALLETS, AND CARDS DIRECTLY IN PROGRAM. 💳
- **MOBILE APP COMPANION:** SYNC PROGRAM WITH SMARTPHONE APP FOR NOTIFICATIONS, BOARDING PASSES, AND UPDATES. 📱
- **SEAT ALLOCATION:** AUTO-ASSIGN BEST AVAILABLE SEATS TO PASSENGERS BASED ON PREFERENCES. 🚹
- **IN-FLIGHT SERVICES EXPANSION:** ADD SNACK MENU, SPECIAL MEALS, AND BAGGAGE TRACKING. 🍕🧃
- **REAL-TIME FLIGHT STATUS:** LIVE UPDATES FOR DEPARTURES, ARRIVALS, AND DELAYS. 🕒📍
- **MULTI-LANGUAGE SUPPORT:** MAKE THE PROGRAM ACCESSIBLE FOR LOCAL AND INTERNATIONAL USERS. 🌎
- **USER PROFILES & HISTORY:** SAVE FREQUENT PASSENGER INFO FOR FASTER BOOKINGS NEXT TIME. 📁



BIBLIOGRAPHY

REFERENCE ONE

Python Software Foundation : Python Documentation.

<https://docs.python.org/>

REFERENCE TWO

Online Video Learning Platforms : YouTube – Educational Content

Used for reference, debugging techniques, understanding program flow.

REFERENCE THREE

NCERT : Computer Science Textbook

National Council of Educational Research and Training

REFERENCE FOUR

ARTIFICIAL INTELLIGENCE : OPEN AI

Used for debugging, logic correction, Indentation correction

REFERENCE FIVE

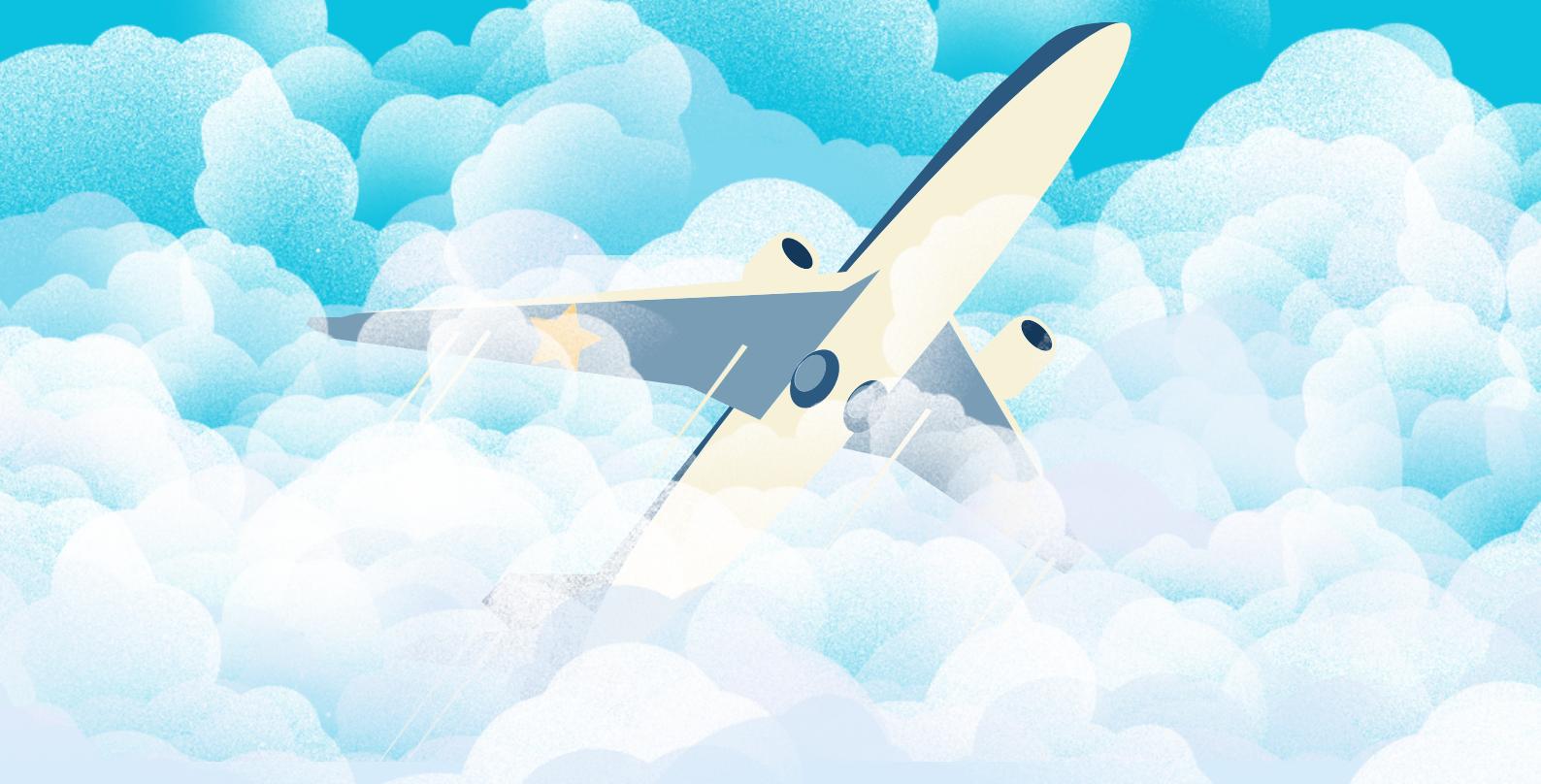
CLASSWORK NOTE & OLD PROJECT REFERENCE MATERIALS

Applied Methods & Function , Basic Conditional Loops

REFERENCE SIX

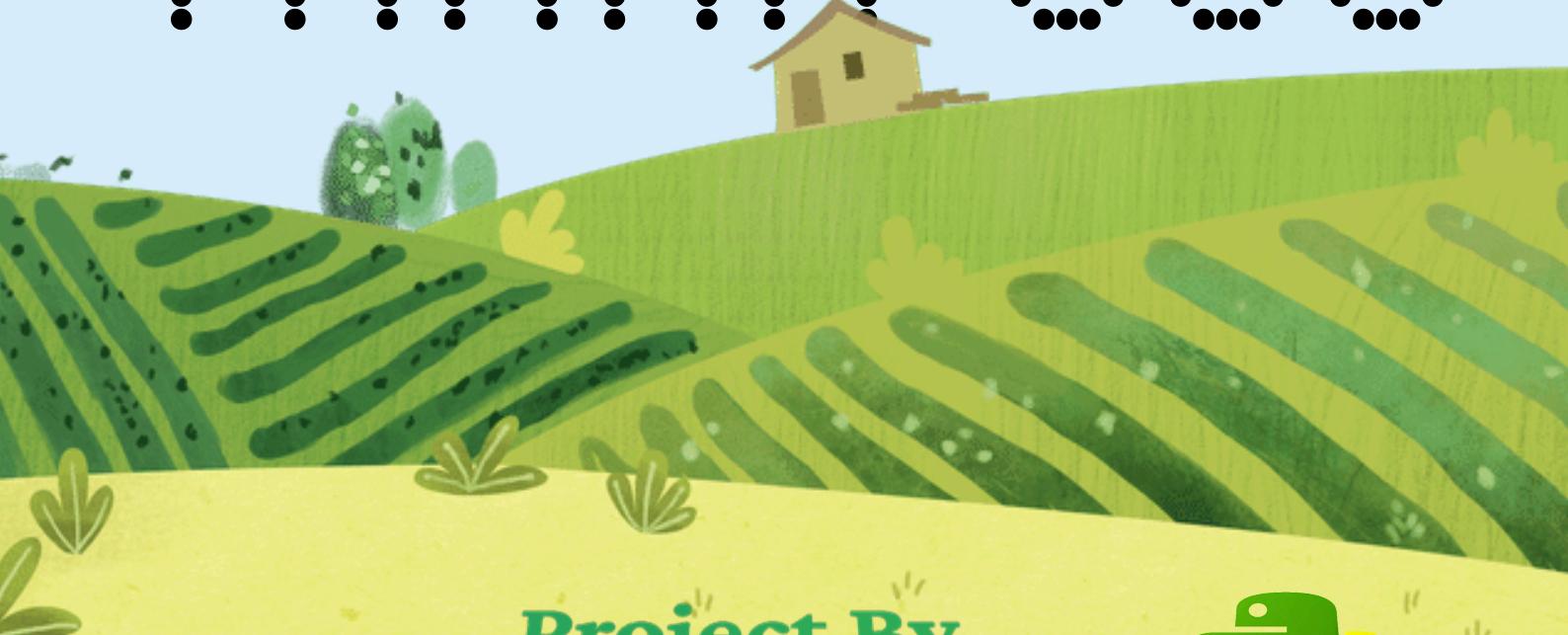
RECORD BOOK : EXPERIMENT 13 AND 14

Menu Driven Program.



booklet designed by Tharak V
Coded by Tharak V , Surya Prakash AC

THANK YOU



Project By
Tharak V

Surya Prakash A C

