

Don Bosco Technical College
City of Mandaluyong

COMPROG
Computer Fundamentals and Programming
2nd Semester, AY 2022-2023

Airline Ticketing Reservation

Group Arthemis

"I certify that I have worked on this activity and completed
It on my own and that I have neither copied the work of any
Other student nor have I concealed any violation of the Honor
Code. I will receive a grade of 5.0 (FAIL) for the course and
Be subject to disciplinary action if I fail to honor this code."

1ME
Wednesday, 4:30 – 7:30

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NERIA, Prince Julius V.
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R. Stephen L. Ruiz
Instructor

I. Project Description:

Creating a coding project for airplane ticket reservation involves developing a software system that allows users to book and purchase airline tickets online. The project should include a user-friendly interface that guides the user through the booking process, validates user inputs, and displays relevant flight details and pricing information.

II. IPO

Input:

-Users will select first the choice of their needs if they will book, cancel or check the details of their flight.

Process:

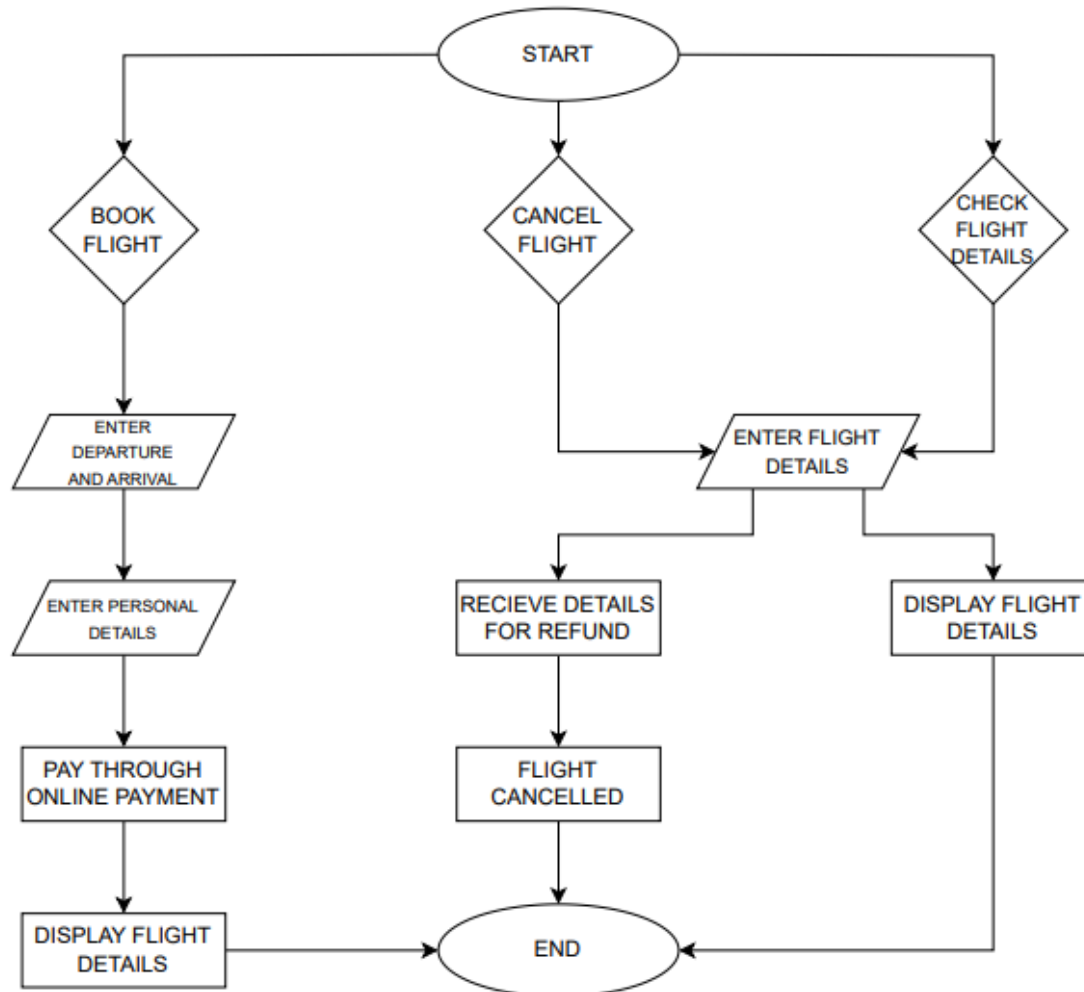
-Users must first select their intended destination and provide their chosen departure and arrival dates and times when making a flight reservation. Users must submit their personal data, including passport information and other identity details, to complete the booking after it has been completed. Users can enter their flight information in the case of a cancellation to get a refund and cancel the ticket. When entering flight information, people who simply need to check their flight information will instantly see those data on their screen.

Output:

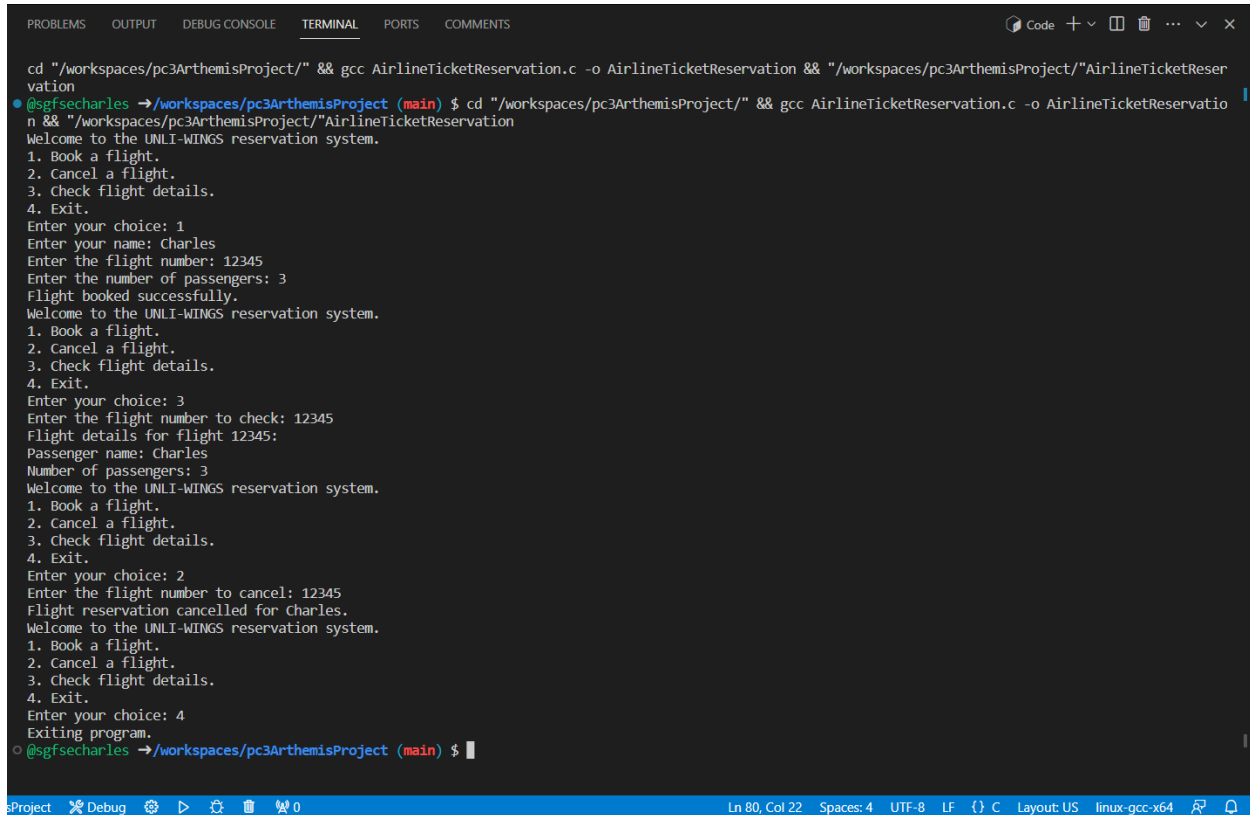
-Upon booking a flight, the user's screen will display the flight details, while in the case of cancellation, the screen will show that the user is authorized for a refund. For those who only need to check their flight information, the screen will automatically display the details.

III. Methodology

We will use Visual Studio Code to create our project software for booking airline tickets, and an illustration is provided below to help you understand how it works.



IV. Output:



```
cd "/workspaces/pc3ArthemisProject/" && gcc AirlineTicketReservation.c -o AirlineTicketReservation && "/workspaces/pc3ArthemisProject/"AirlineTicketReservation
@sgfsecharles →/workspaces/pc3ArthemisProject (main) $ cd "/workspaces/pc3ArthemisProject/" && gcc AirlineTicketReservation.c -o AirlineTicketReservation && "/workspaces/pc3ArthemisProject/"AirlineTicketReservation
Welcome to the UNLI-WINGS reservation system.
1. Book a flight.
2. Cancel a flight.
3. Check flight details.
4. Exit.
Enter your choice: 1
Enter your name: Charles
Enter the flight number: 12345
Enter the number of passengers: 3
Flight booked successfully.
Welcome to the UNLI-WINGS reservation system.
1. Book a flight.
2. Cancel a flight.
3. Check flight details.
4. Exit.
Enter your choice: 3
Enter the flight number to check: 12345
Flight details for flight 12345:
Passenger name: Charles
Number of passengers: 3
Welcome to the UNLI-WINGS reservation system.
1. Book a flight.
2. Cancel a flight.
3. Check flight details.
4. Exit.
Enter your choice: 2
Enter the flight number to cancel: 12345
Flight reservation cancelled for Charles.
Welcome to the UNLI-WINGS reservation system.
1. Book a flight.
2. Cancel a flight.
3. Check flight details.
4. Exit.
Enter your choice: 4
Exiting program.
@sgfsecharles →/workspaces/pc3ArthemisProject (main) $
```

V. Conclusion

This program is designed to provide a comprehensive solution for managing the purchase and reservation of airline tickets for customers. It leverages a database that stores essential information about flights, timetables, availability, prices, and customer details.

Once a flight is selected, the program collects customer information, including name, Flight details and how many passengers to finalize the reservation. Moreover, the program enables users to track the status of their flights, facilitating a seamless travel experience. It also offers the flexibility to modify or cancel reservations, providing customers with control over their bookings.

Overall, this program streamlines the ticketing and reservation process by automating various tasks and integrating essential functionalities. It enhances convenience for both customers and the airline by offering a user-friendly interface, efficient search capabilities.

