**SIR SYED UNIVERSITY OF ENGINEERING AND TECHNOLOGY**

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**Computer Engineering Department**

Course name: Computer Programming (CE-166L)

Semester: 2nd

Section: C

**PROJECT REPORT**

Project title: Hangman Game

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**TEAM PROFILE**

1. **Muhammad Faizan (2021F-BCE-93)**

(Project Coding)

1. **Shahnoor Hasan (2021F-BCE -98)**

(Project Documentation)

## What is Airline Reservation System?

As the name suggests Airline Reservation System is software that handles the entire booking data of the Flights. It is fully based on the concept of reserving flight tickets for various destinations. Previously the task of handling the tickets at a time was very difficult, so there was a need for software that can handle all Airline Reservation System.

Therefore the Airline Reservation System was designed. After the release of this system, the stress and workload of the employee were absolutely finished. It was also time-wasting for the travelers to book a Ticket previously. But now it hardly takes 10 to 15 minutes to [book a ticket](https://www.makemytrip.com/flights/) wherever the passenger is.

## Features of Airline Reservation System Project in C++

* This project can be handled by anyone. Admin rights are not given to anyone.
* Reservation can be done in a very short period of time.
* This project also has the facility of canceling the reservation.
* Passengers can see the reservations of each and every seat on any flight.
* If a passenger changes their mind and wants to cancel the reservation then they can cancel their reservation any time.
* This software provides can also show the list of reservations done by the passengers.
* Passengers can also be able to see the status of their reservations.

## Modules of Airline Reservation System Project in C++

* Make Reservation.
* Cancel Reservation.
* Search Passenger.
* Change Reservation.
* Print a List.
* Print Status Report.
* Quit.

## Working of Project

In the zip file, you’ll get an executable .exe file where you can directly run the entire project manually. Now we’ll see the working of the entire application with an explanation.

After running the executable file from the project zip or running the project from the compiler you will directly see the following main screen:

Here we’ve displayed the menu options such as make a reservation, cancel a reservation, search passenger, change a reservation, print a list, print status report, and quit. If the passenger wants to make a reservation for a flight then he must choose option 1. If the passenger’s mind changed and wants to cancel the reservation then he must choose option 2. By choosing option 3 the passenger can search the passenger if he wants to check who has booked a particular seat.

If the passenger wants to change the seat then he must choose option 4. The passenger can print a list of passengers by choosing option number 5. If passengers want to check the status of their reservation then they must choose option 5. And the last menu option 6 is to exit the complete project.

Now we’ll see each and every option in detail.

### Make Reservation:

By choosing menu option number 1 passengers will be able to make a fresh reservation for any particular flight. During the reservation software will ask for some basic details which are as follows:

* First name of a passenger.
* Last name of a passenger.
* Id number.
* Phone number.
* Seat number which you want to book.
* Which type of food do you need during the travel i.e veg or non-veg.

After entering the above details the unique reservation id will be generated for your booking. If the reservation is done successfully then the process completed message will be displayed at the bottom of the project. If the user is trying to book the seat which is already reserved then the software will show the message “Seat is already reserved please choose another seat number from below”. So you’ve to enter the seat number again from the given list then only the seat will be reserved successfully.

### Cancel Reservation:

Sometimes what happens passengers’ mind changes and they try to cancel the reservation because of some urgency or personal reason. So in such a situation, he’ll be able to cancel the reservation anytime by choosing option 2 from the options menu.

To cancel the reservation you must have your reservation number generated by software during the reservation. Because software asks reservation number during the cancellation. If you forgot the reservation number then you’ll not be able to cancel the tickets.

When you choose menu option 2, then you’ve to enter the reservation number then the software will fetch the passenger details using this reservation number. This reservation number is uniquely generated and confidential that’s why after entering the reservation number, your reservation will be canceled quickly.

Graphical user interface

Description automatically generated with medium confidence

Diagram

Description automatically generated

Graphical user interface

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, website

Description automatically generated

Graphical user interface, application

Description automatically generated

Diagram

Description automatically generated

1. **Conclusion:**

When you book a flight online, you have the freedom to shop around for the best price. Travelers don't get this kind of freedom when booking flights through a single travel agent or calling an airline. Purchasing the ticket online means customers can check out many airlines before making their choice.

1. **Reference:**

<https://www.stackoverflow.com>

and some Youtube material