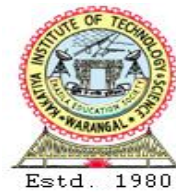**A COURSE PROJECT REPORT**

on

AIRLINE RESERVATION SYSTEM

U18IT604-JAVA PROGRAMMING

Submitted to

Department of Information Technology

by

VYSHNAVI MALLURU

B19IT014

Under the Supervision of

SRI M.KISHORE

Associate Professor

DEPARTMENT OF INFORMATION TECHNOLOGY
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
2020 - 2021

C E R T I F I C A T E

This is to certify that **VYSHNAVI MALLURU (B19IT014)** of IV Semester B.Tech.

Information Technology has satisfactorily completed the **Course Project** entitled **"AIRLINE**

RESERVATION SYSTEM", U18IT604: JAVA PROGRAMMING, in this academic

year 2020-2021.

COURSE COORDINATOR   **HEAD OF THE DEPARTMENT**

    Sri M.Kishore   **Dr.P.Kamakshi**
Assosiate Professor   **Professor & Head, Dept. of I.T.**

ACKNOWLEDGEMENT

I wish to take this opportunity to express my deep gratitude to all the people who have extended their cooperation in various ways during my Course Project. It is my pleasure to acknowledge the help of all those individuals.

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I thank **Dr. P. Kamakshi,** Professor & Head, Department of Information Technology for her constant support in bringing shape to this Course Project.

I would like to thank my course coordinator, **Sri M.Kishore, Associate professor** of Information Technology for his guidance and help throughout the Course Project.

In completing this Course Project successfully all our faculty members have given an excellent cooperation by guiding us in every aspect. All your guidance helped me a lot and I am very grateful to you.

VYSHNAVI MALLURU

(B19IT014)

ABSTRACT

The Airline Reservation system helps the user to reserve the tickets for airline booking for various airlines. The user can also cancel his booking and everything can be stored in files for further access. It allows multiple users to use the project at a time, thus supports multi-threading. Thus the problem of only one user using the software at a time is substituted to multi-user environment.

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CHAPTER 1

INTRODUCTION

The Airlines Reservation system program enables the user to reserve seats by choosing all the requirements needed and by providing the details. User must enter the date of departure, Mail, the number of persons travelling and their details. User can also select their own choice of Airline services. The process of reserving the seats is completed when the amount is paid under economy or premium and booking ID will be provided to the user.

CHAPTER 2

PROBLEM DEFINITION

Generally, reserving a seat using Airline services is a huge process and time taking. People who are booking the seats do not have any idea on how to reserve a seat and confuse in providing the details. This program helps the user to clearly understand how to reserve a seat using Airline services. It helps the user in understanding every detail they are providing to the airline services .It helps in choosing the places from we wanted to go to where we go. Such huge information needed to be stored and must be able to being used by multiple users at the same time.

CHAPTER 3

PROPOSED METHOD

The Airline Reservation system allows the user to reserve the tickets for different airlines. Users can select the airline company and can be able to view the charges for each airline and book their tickets accordingly. The users are allowed to select the type of trip they wanted to go. The one way trip reserves the ticket for the journey. The two way trip reserves the seats for returning back also.

The user can enter the airport of boarding and date of boarding. In case of two way trip user can enter the details of departure as well. For security purposes the airline reservation system asks for the email of the traveller. Also, the number of travellers is taken and details like name, age, phone number are taken.

The user is allowed to choose the class in which he wanted to travel. It includes the premium class and economy class. At last the total amount to be paid is been displayed and at last the unique id is given so to access the travellers individually .In case of any cancellation this system allows to cancel the reserved seats with the help of id provided

Also the information needed to be stored so that the information is stored upto date using the files. The data of the traveller's information along with the id are been stored. Multithreading property is also included which allows the multiple users to use the reservation system at the same time. Thus, the requirements can be fulfilled.

CHAPTER 4

EXPERIMENT AND SIMULATIONS

1.Booking a Ticket


```
Command Prompt - java Airline                                    —   □   ×
1.IndiGo

1.INDIGO     3500     5000

2.AirIndia

2.AIR INDIA  4500     6000

3.SpiceJet

3.SPICE JET  5500     7000

4.GoAir

4.GO AIR     6500     8000

5.VISTARA    7500     9000

5.Vistara

6.For Ticket Cancellation

7.Exit
```



```
Command Prompt - java Airline                                    —   □   ×
1
                    Welcome to INDIGO  Airlines !!


Is it a 1.One-way Trip or 2.Round Trip

Enter the Respective Number

1
Please Enter From  which Airport You are Boarding
hyderabad
Please Enter Which Airport You wanted to go
banglore
Please Enter Date of Departure
03/07/2021
Your Gmail Please:
b19it014@kitsw.ac.in
Please Enter Number Of Travellers
2
Please Enter sno :
Please Enter Your Name :
person1
Your Age Please:
30
Please Enter sno :
2
Please Enter Your Name :
person2
Your Age Please:
```

person2
Your Age Please:
33
 Enter Your Phone Number :
9999999999
What Class would you prefer sir 1.Economy or 2.Premium
Enter the Respective Number
1
Total Amount to be paid:7100
Your BookingId is IN99999

Which Airline services You Will be Using?

1.IndiGo

2.AirIndia

3.SpiceJet

4.GoAir

5.Vistara

6.For Ticket Cancellation

7.Exit

Enter your choice

Enter the Respective Number

1
Please Enter From which Airport You are Boarding
hyderabad
Please Enter Which Airport You wanted to go
banglore
Please Enter Date of Departure
03/07/2021
Your Gmail Please:
b19it014@kitsw.ac.in
Please Enter Number Of Travellers
2
Please Enter sno :
Please Enter Your Name :
person1
Your Age Please:
30
Please Enter sno :
2
Please Enter Your Name :
person2
Your Age Please:
33
 Enter Your Phone Number :
9999999999
What Class would you prefer sir 1.Economy or 2.Premium
Enter the Respective Number
1

2.Cancellation of Ticket

```
Command Prompt - java  Airline                              —  □  ×

6.For Ticket Cancellation

7.Exit

Enter your choice
6
Please Enter the BookingId Your Ticket
IN99999
The Booking Has been Cancelled With BookingId:IN99999
THANK YOU FOR USING OUR SEVICES
----------------------------------------------------------------------
-----
Which Airline services You Will be Using?

1.IndiGo

2.AirIndia

3.SpiceJet

4.GoAir

5.Vistara

6.For Ticket Cancellation

7.Exit

Enter your choice
```
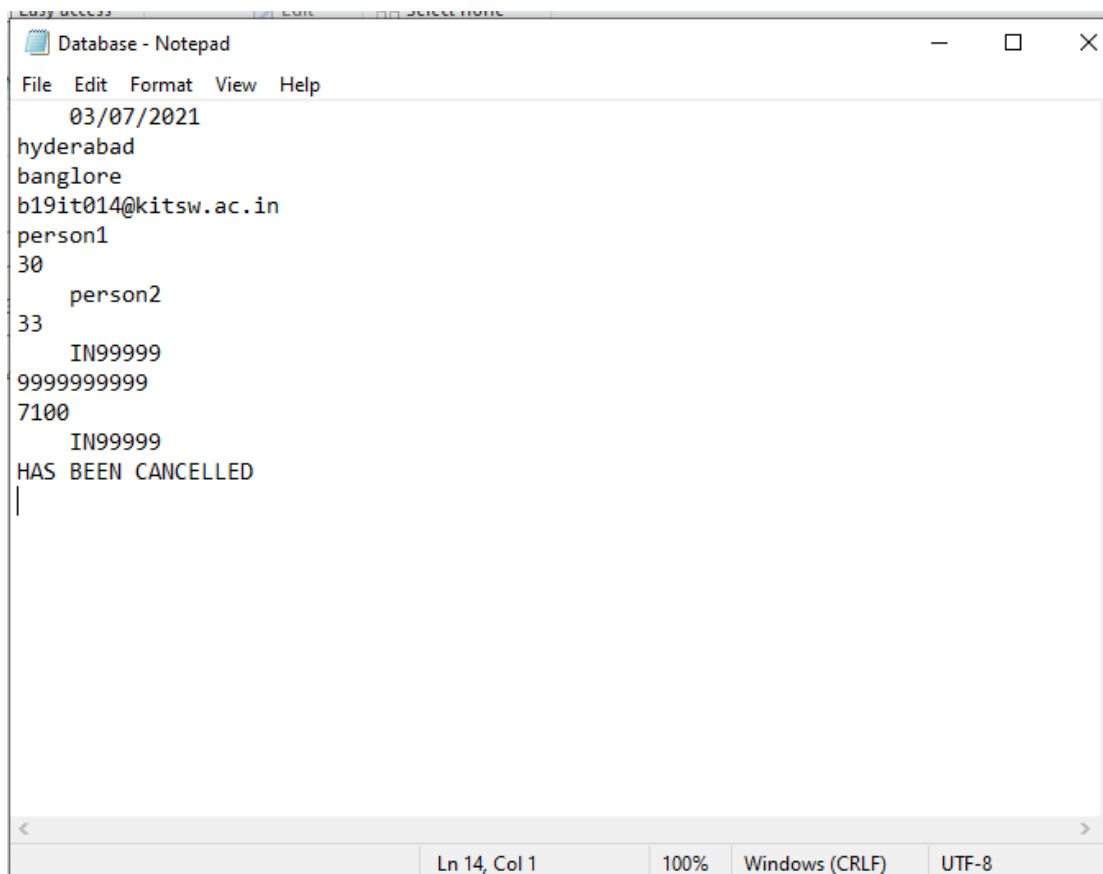
6

CHAPTER-5

RESULTS AND ANALYSIS:

1.File Database

Name	Date modified	Type	Size
A.class	02/07/2021 16:11	CLASS File	1 KB
Airline.class	02/07/2021 16:11	CLASS File	5 KB
Airline	09/05/2021 13:34	JAVA File	6 KB
B.class	02/07/2021 16:11	CLASS File	1 KB
Database	02/07/2021 16:43	Text Document	1 KB

Database - Notepad

File   Edit   Format   View   Help

```
    03/07/2021
hyderabad
banglore
b19it014@kitsw.ac.in
person1
30
    person2
33
    IN99999
9999999999
7100
    IN99999
HAS BEEN CANCELLED
```

Ln 14, Col 1   100%   Windows (CRLF)   UTF-8

CHAPTER-6

CONCLUSION

The program helps to reserve a seat using Airline Services of their own choice. Hence the users can use the Airline reservation system. The Airlines Reservation system program enables the user to reserve seats by choosing all the requirements needed and by providing the details. User must enter the date of departure, Mail, the number of persons travelling and their details

CHAPTER-7

REFRENCES

→ Programming with Java (Balagurusamy E)

→ My course faculty

CHAPTER-8

POSTER

DEPARTMENT OF INFORMATION TECHNOLOGY
AIRLINE RESERVATION SYSTEM

SRI M.KISHORE
Associate Professor

BY :
B19IT014
M.VYSHNAVI

INTRODUCTION :

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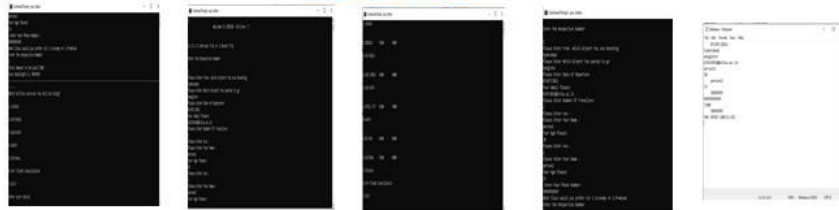
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The Airline Reservation system allows the user to reserve the tickets for different airlines. Users can select the airline company and can be able to view the charges for each airline and book their tickets accordingly. The users are allowed to select the type of trip they wanted to go. The one way trip reserves the ticket for the journey. The two way trip reserves the seats for returning back also.

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Generally, reserving a seat using Airline services is a huge process and time taking. People who are booking the seats do not have any idea on how to reserve a seat and confuse in providing the details. This program helps the user to clearly understand how to reserve a seat using Airline services. It helps the user in understanding every detail they are providing to the airline services .

EXPERIMENTAL RESULTS:

CONCLUSION:

The program helps to reserve a seat using Airline Services of their own choice. Hence the users can use the Airline reservation system.