BUS RESERVATION SYSTEM

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OBJECTIVE: -

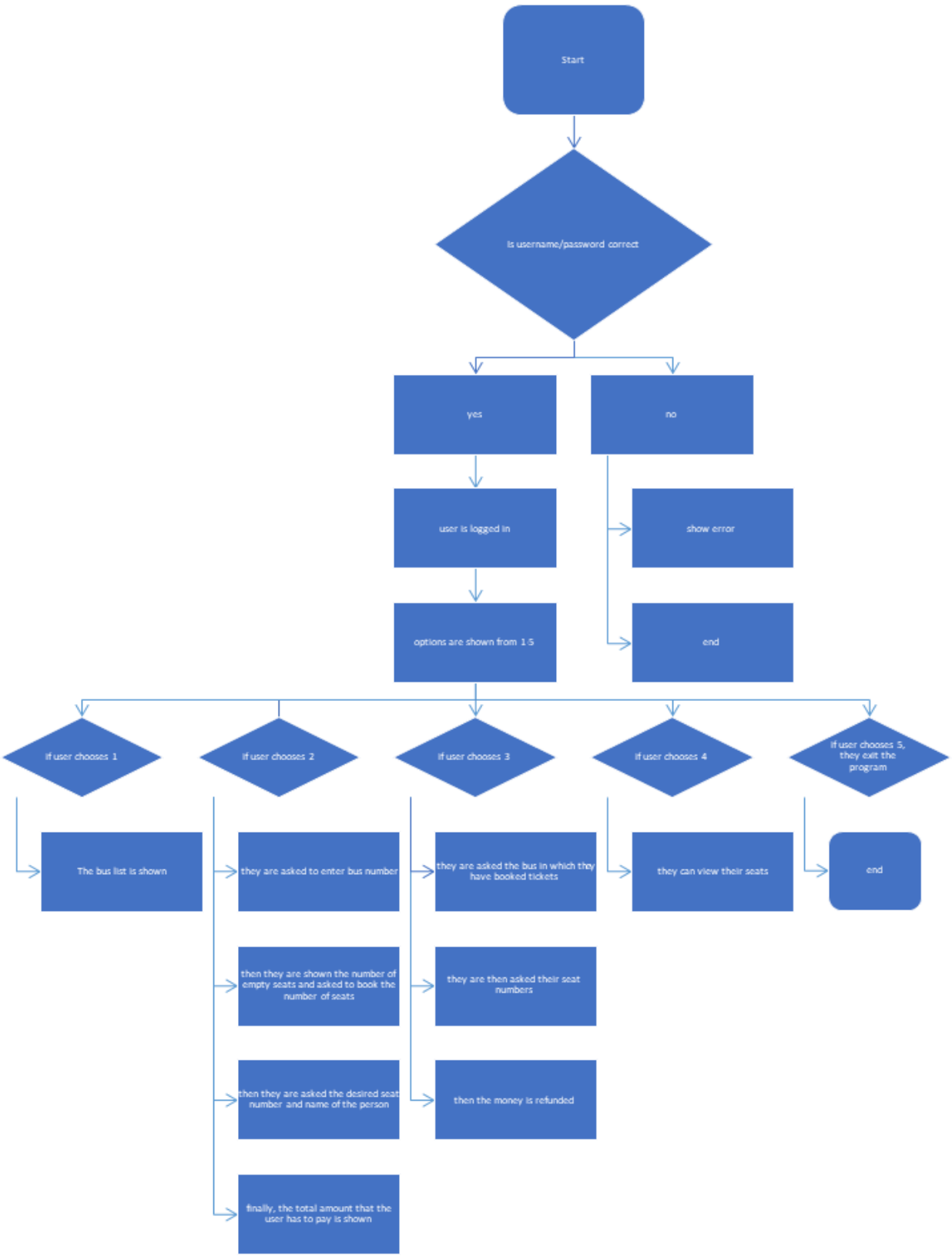
This is Visual-Basic Projects on Bus Reservation System, which provided a lot of facility to their user.The objective and scope of my Project Bus Reservation System is to record the details various activities of user. It will simplify the task and reduce the paper work. During implementation every user will be given appropriate training to suit their specific needs. Specific support will also be provided at key points within the academic calendar. Training will be provided on a timely basis, and you will be trained as the new is Bus Reservation System rolled out to your area of responsibility. At the moment we are in the very early stages, so it is difficult to put a specific time on the training, but we will keep people informed as plans are developed. The system is very Userfriendly and it is anticipated that functions of the system will be easily accessed by administrators,

academics, students and applicants. Hence the management system for the College management has been designed to remove all the deficiency from which the present system is suffering and to ensure

PROBLEM DEFINITION: -

This system is based on a concept to reserve bus tickets. From this system, the user can view bus list, book tickets, cancel bookings and check bus status board. While booking tickets, the user has to enter bus number then the system displays total bus seat numbers with passenger's name and the user has to enter the number of tickets, seat number, and name of the person. Here, cancel booking also features refunding. Login system is also available in this system to make it more secure. There’s no chance of data misuse or loss & it’s not time-consuming. The whole project is developed in ‘C’ Programming language, different variables and strings have been used for the development of this project. It’s easy to operate and understand by users.

FLOW CHART: -


Start
Is username/password correct
yes
no
user is logged in
show error
options are shown from 1-5
end
if user chooses 1
if user chooses 2
if user chooses 3
if user chooses 4
if user chooses 5, they exit the program
The bus list is shown
they are asked to enter bus number
then they are shown the number of empty seats and asked to book the number of seats
then they are asked the desired seat number and name of the person
finally, the total amount that the user has to pay is shown
they are asked the bus in which they have booked tickets
they are then asked their seat numbers
then the money is refunded
they can view their seats
end

ALGORITHM: -

SCREEN-1

Ask user to give input by asking for username and password

Ask the user to enter the password.

If username and password are correct,

Allow them to the next slide.

Else,

Display an error message

SCREEN-2

Display message with the words, “Welcome to Bus Reservation System.”

Display the available options, with their respective numbers.

If user chooses 1:

SCREEN-3

Display all available buses, with their respective numbers.

If user chooses 2:

SCREEN-3

Display all available buses, with their respective numbers.

Ask the user to enter the required bus number.

Depending upon the number the user enters, show the respective bus, and the available seats the bus has.

Ask the user the number of tickets they require.

Depending upon the number the user enters, ask for the desired seat number, and the name of the person.

Finally, print the amount required to be paid by the user. The cost is Rs 200 per ticket.

If user chooses 3:

SCREEN-3

Ask the user for the bus number.

Show all the seats in the bus, and ask the user which seat they want to cancel.

Once the user has cancelled the ticket, display a message saying that their money has been returned

If user chooses 4:

SCREEN-3

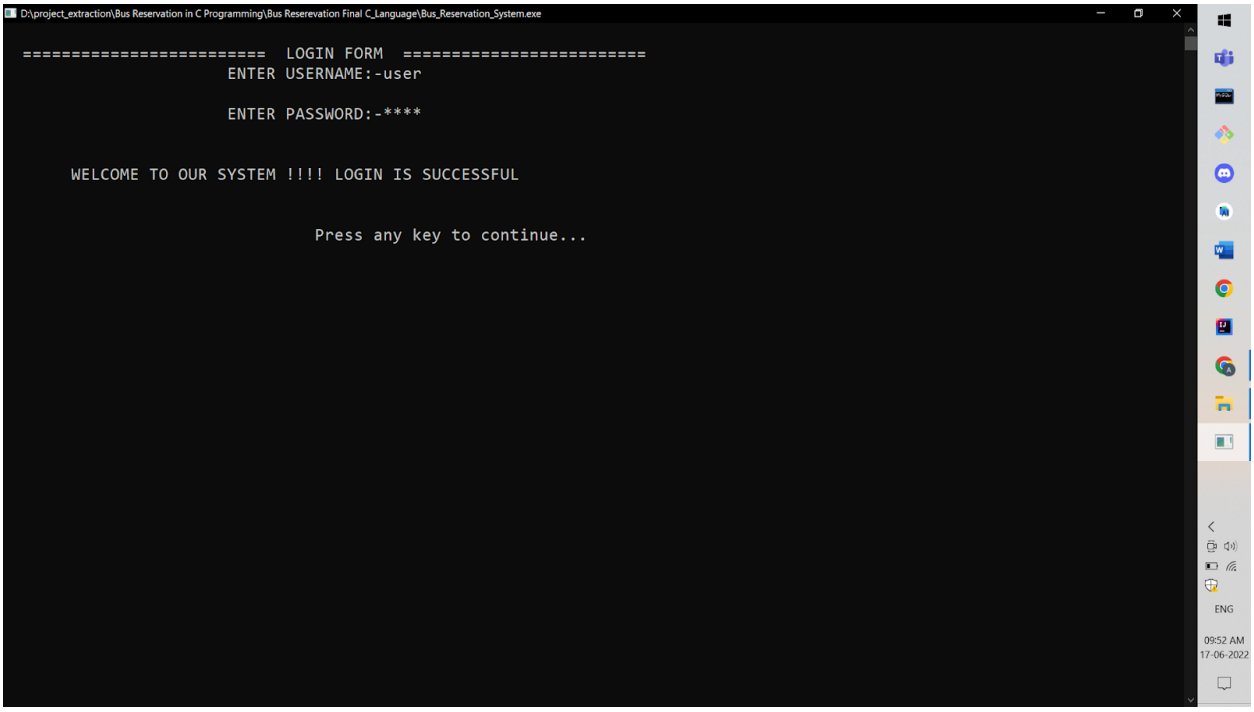
Depending upon the number the user enters, show the respective bus, and the available seats the bus has.

If user chooses 5:

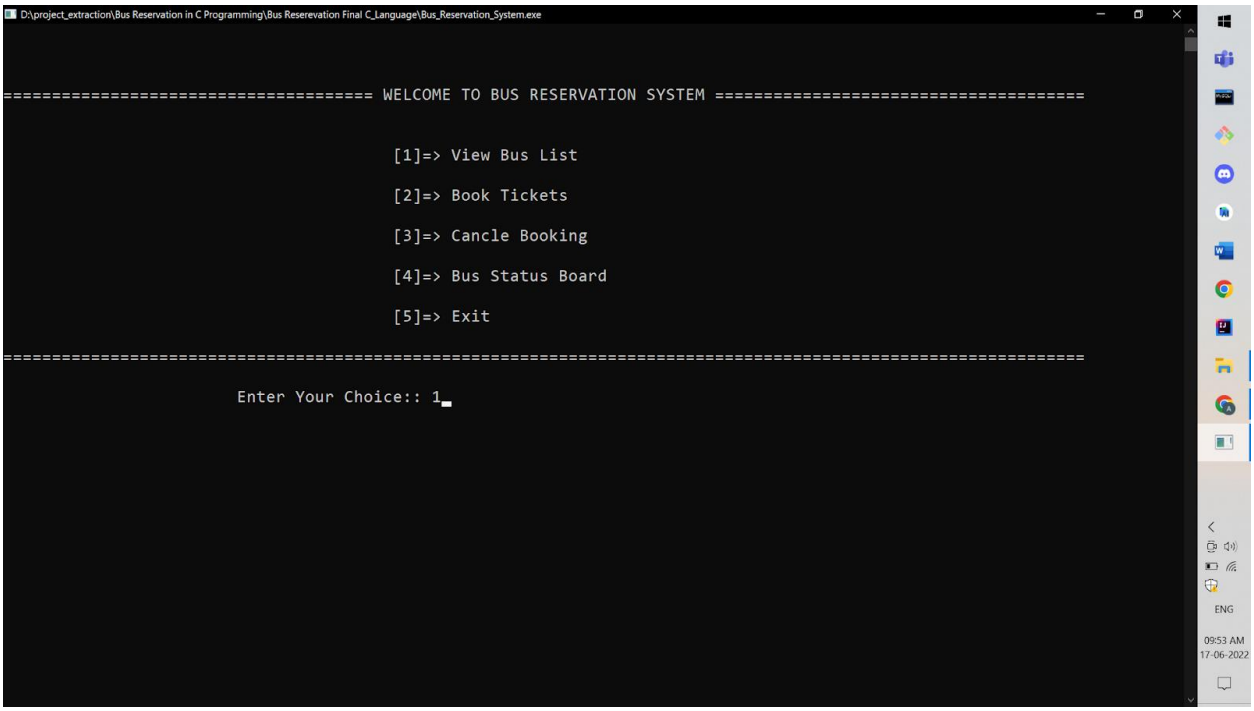
SCREEN-3

Exit out of the program.

OUTPUT SCREEN: -



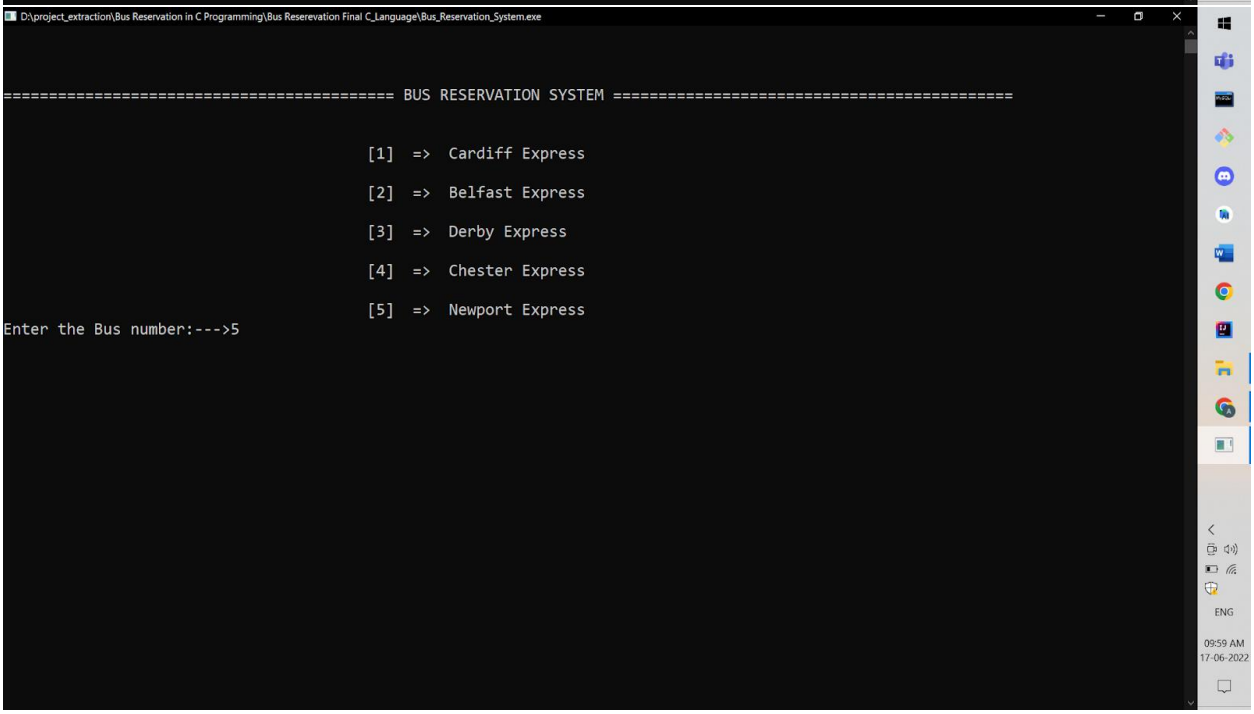
Choosing desired option:

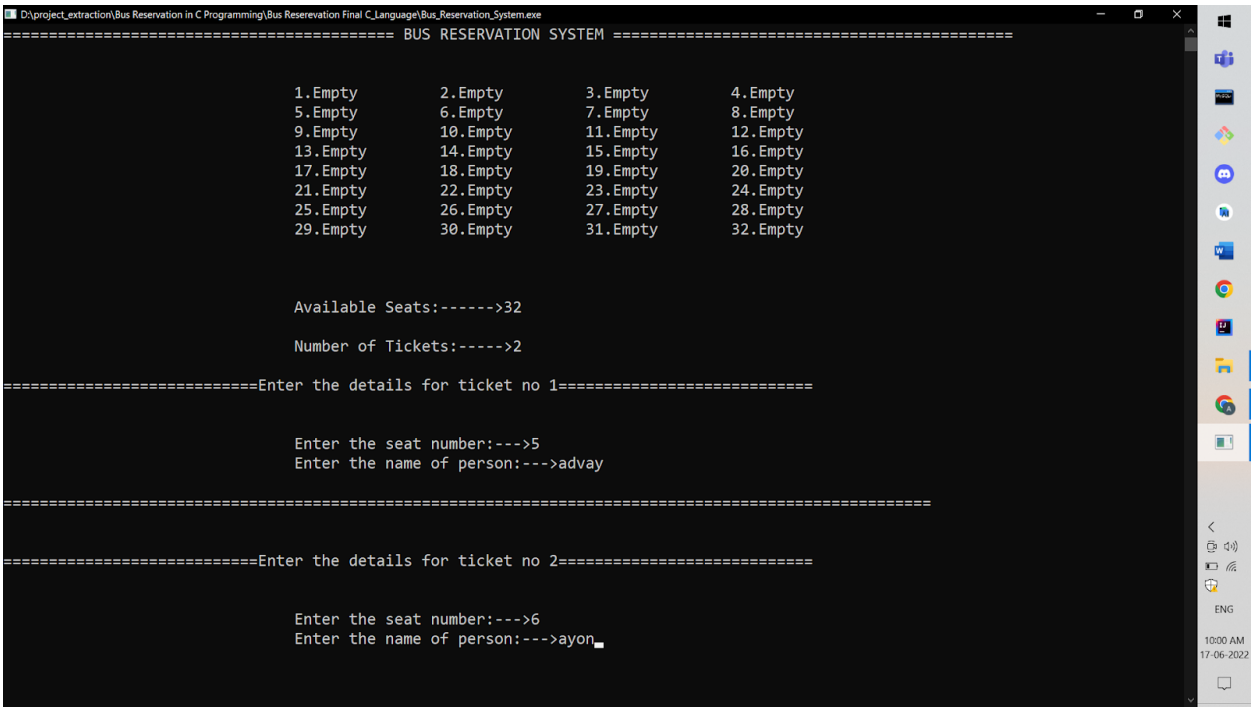


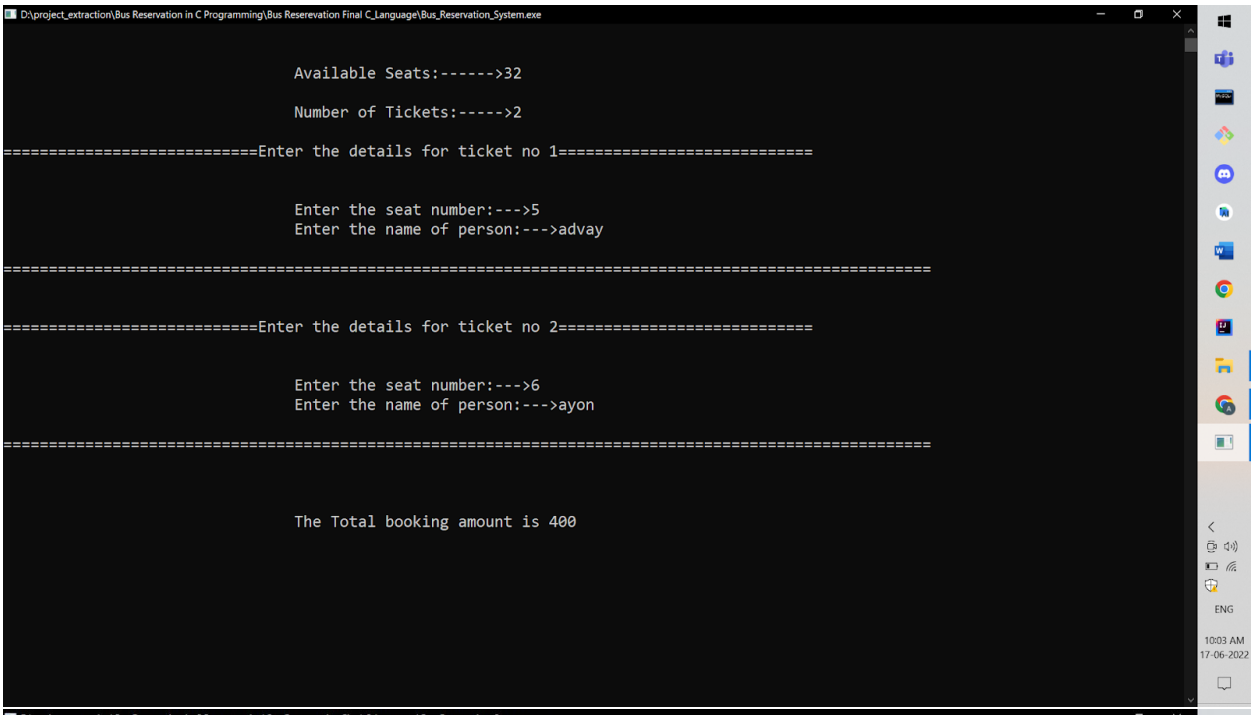
Displaying available buses:

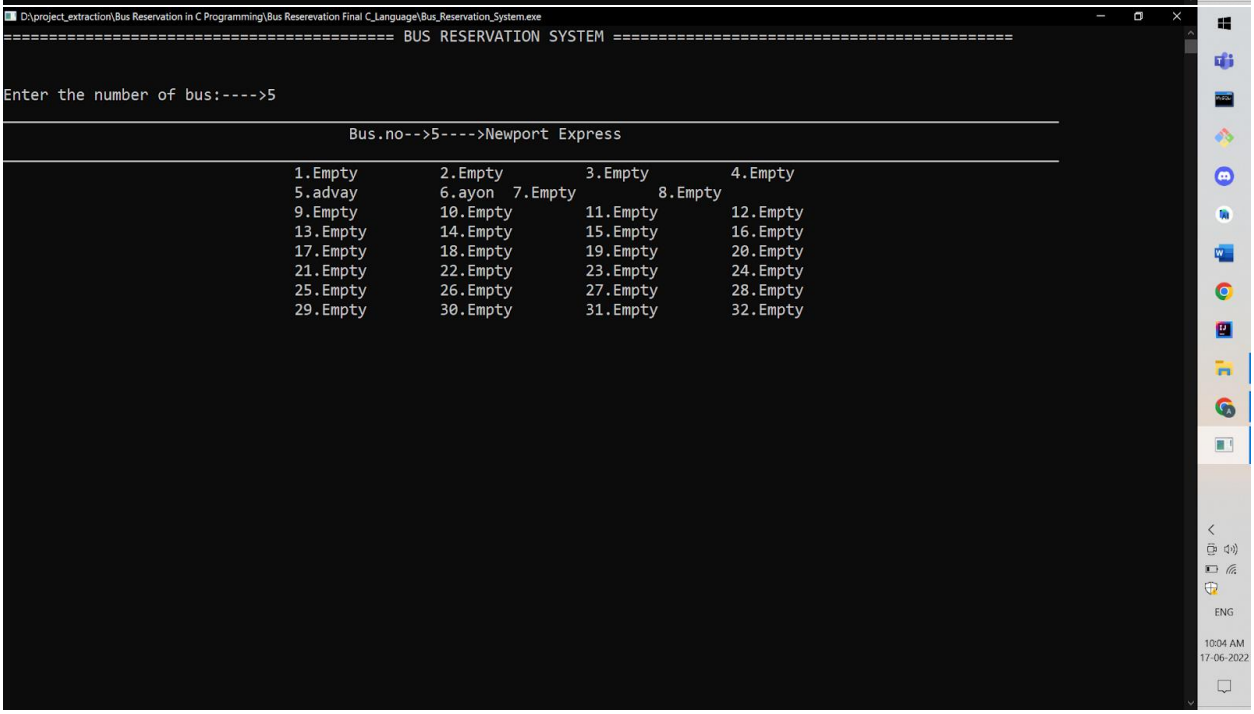
Booking Tickets:

D:\project_extraction\Bus Reservation in C Programming\Bus Reserevation Final C_Language\Bus_Reservation_System.exe
========== BUS RESERVATION SYSTEM ==========
[1] => Cardiff Express
[2] => Belfast Express
[3] => Derby Express
[4] => Chester Express
[5] => Newport Express
ENG
09:55 AM
17-06-2022

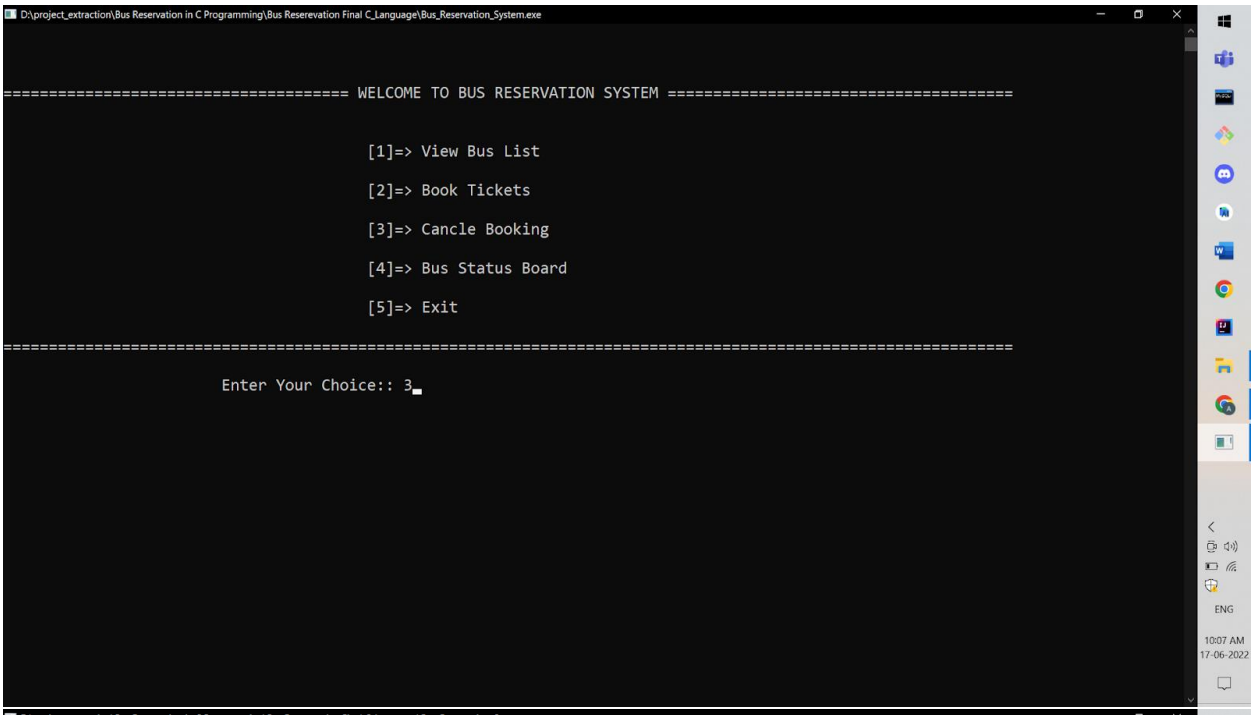

D:\project_extraction\Bus Reservation in C Programming\Bus Reserevation Final C_Language\Bus_Reservation_System.exe
========== BUS RESERVATION SYSTEM ==========
[1] => Cardiff Express
[2] => Belfast Express
[3] => Derby Express
[4] => Chester Express
[5] => Newport Express
Enter the Bus number:--->5
ENG
09:59 AM
17-06-2022

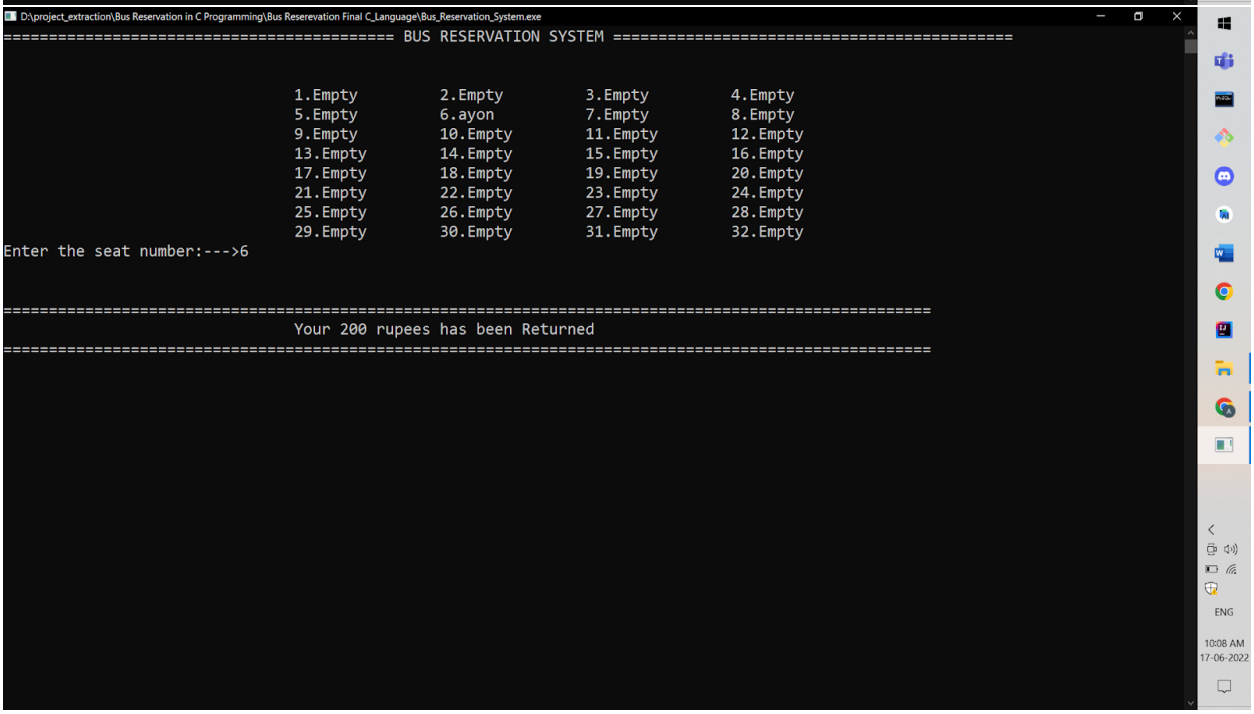

D:\project_extraction\Bus Reservation in C Programming\Bus Reserevation Final C_Language\Bus_Reservation_System.exe
========== BUS RESERVATION SYSTEM ==========
1.Empty 2.Empty 3.Empty 4.Empty
5.Empty 6.Empty 7.Empty 8.Empty
9.Empty 10.Empty 11.Empty 12.Empty
13.Empty 14.Empty 15.Empty 16.Empty
17.Empty 18.Empty 19.Empty 20.Empty
21.Empty 22.Empty 23.Empty 24.Empty
25.Empty 26.Empty 27.Empty 28.Empty
29.Empty 30.Empty 31.Empty 32.Empty
Available Seats:------>32
Number of Tickets:----->2
==========Enter the details for ticket no 1==========
Enter the seat number:--->5
Enter the name of person:--->advay
==========Enter the details for ticket no 2==========
Enter the seat number:--->6
Enter the name of person:--->ayon
ENG
10:00 AM
17-06-2022

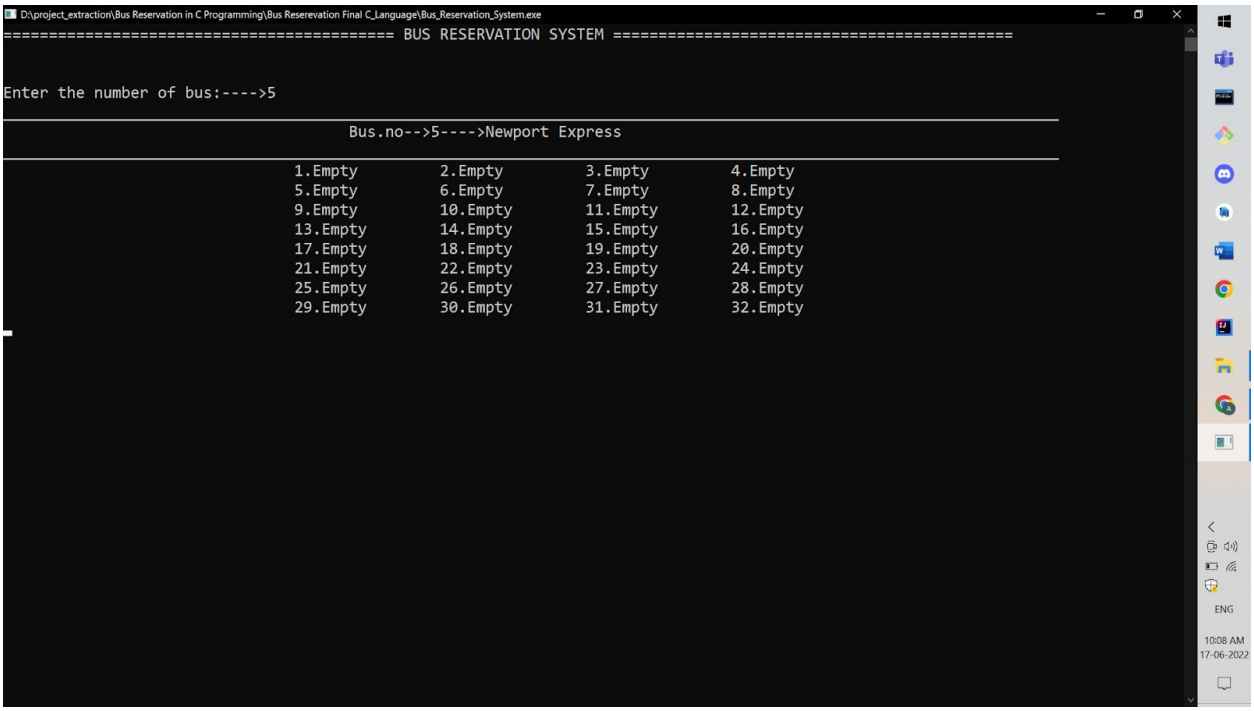




Cancelling the Tickets:


D:\project_extraction\Bus Reservation in C Programming\Bus Reserevation Final C_Language\Bus_Reservation_System.exe
========== WELCOME TO BUS RESERVATION SYSTEM ==========
[1]=> View Bus List
[2]=> Book Tickets
[3]=> Cancle Booking
[4]=> Bus Status Board
[5]=> Exit
Enter Your Choice:: 3


D:\project_extraction\Bus Reservation in C Programming\Bus Reserevation Final C_Language\Bus_Reservation_System.exe
========== BUS RESERVATION SYSTEM ==========
1.Empty 2.Empty 3.Empty 4.Empty
5.Empty 6.ayon 7.Empty 8.Empty
9.Empty 10.Empty 11.Empty 12.Empty
13.Empty 14.Empty 15.Empty 16.Empty
17.Empty 18.Empty 19.Empty 20.Empty
21.Empty 22.Empty 23.Empty 24.Empty
25.Empty 26.Empty 27.Empty 28.Empty
29.Empty 30.Empty 31.Empty 32.Empty
Enter the seat number:--->6
Your 200 rupees has been Returned


D:\project_extraction\Bus Reservation in C Programming\Bus Reserevation Final C_Language\Bus_Reservation_System.exe
========== BUS RESERVATION SYSTEM ==========
Enter the number of bus:---->5
Bus.no-->5---->Newport Express
1.Empty 2.Empty 3.Empty 4.Empty
5.Empty 6.Empty 7.Empty 8.Empty
9.Empty 10.Empty 11.Empty 12.Empty
13.Empty 14.Empty 15.Empty 16.Empty
17.Empty 18.Empty 19.Empty 20.Empty
21.Empty 22.Empty 23.Empty 24.Empty
25.Empty 26.Empty 27.Empty 28.Empty
29.Empty 30.Empty 31.Empty 32.Empty
ENG
10:08 AM
17-06-2022