

# BUS RESERVATION SYSTEM

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# Problem Statement

Our system is operated by user or admin.

User functionality:

- 1) Reservation of ticket.
- 2) Cancellation of ticket.
- 3) Enquiry about seat availability , ticket , bus.

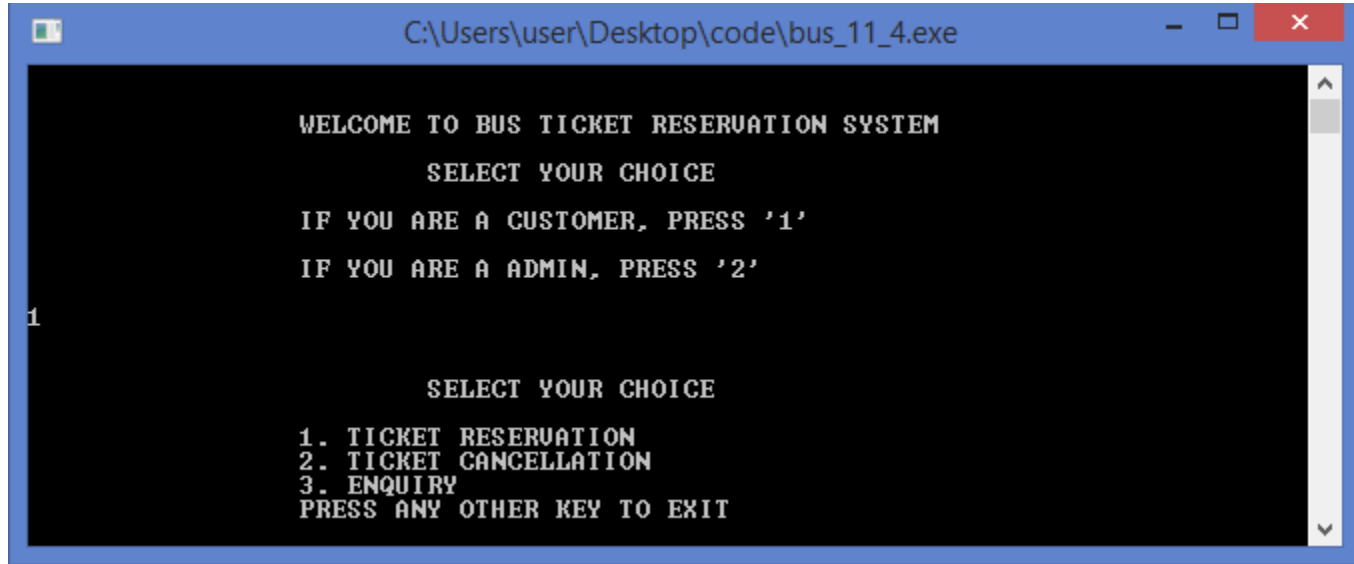
Admin functionality:

- 1) Add/Delete/Modify information of bus, customer , ticket etc.

# Goals and Objectives

- 1) Better storage capability.
- 2) More efficient operations.
- 3) This system saves time and manpower.

# Project Screenshots



# Cont.

```
C:\Users\user\Desktop\code\bus_11_4.exe

ENTER THE NAME OF THE PASSENGER:ajay

ENTER THE AGE OF THE PASSENGER:17

ENTER THE SEX OF THE PASSENGER(m/f):m

*****

Ticket NO.:219
SEAT NO.:2
NAME :ajay
AGE :17
SEX :m
DATE:13
MONTH:4

FARE: Rs500    FROM : MUMBAI
DESTINATION : AHMEDABAD    TIME : 45 hours

*****

Ticket Reserved Successfully
```

# Cont.

```
C:\Users\user\Desktop\code\bus_11_4.exe

Enter journey date:12

Enter journey month:4

ENTER THE ROUTE DESTINATION
BANGALORE<B>    AHEMDABAD<A>    BHOPAL<P>    GOA<G>a

SEAT NO          MUMBAI TO AHEMDABAD
NAME            AGE      SEX      DATE
*****
2              vijay    18      m      12/4
1              vijay    18      m      12/4
1              abhinav  72      m      12/4

TOTAL SEATS= 40
REMAINING SEATS= 37

PRESS ANY KEY TO GO BACK TO main menu
```



C:\Users\user\Desktop\code\bus\_11\_4.exe



WELCOME TO BUS TICKET RESERVATION SYSTEM

SELECT YOUR CHOICE

IF YOU ARE A CUSTOMER, PRESS '1'

IF YOU ARE A ADMIN, PRESS '2'

# Challenge

- 1) File handling using C++ library fstream:  
as our project consist of various files .  
To make them interact with each other  
one need deeper knowledge of file handling.
- 2) In the admin part how to hide the password  
as \*\*\*\*\*.
- 3) In the admin part how to install n number of  
buses.



Ex. Given the name and id of a passenger , if we want to cancel the ticket ,we need to search in various bus.txt files in which we have stored all the information of passenger and then delete corresponding data. Then the result should reflect in file for passenger list further it will affect the waiting list and also the seat availability file will get affected and further changes will happen. Thus it is a vast network of files.

# Future Work

- 1) This project can be further modified for railway reservation system.
- 2) Graphics can be used for better user interference.
- 3) It can be made online.