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SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

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Bus reservation through menu driven program

A Project Report

Under the Guidance of,

Prof. A.Srivani

By

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DECLARATION BY THE CANDIDATE

I hereby declare that the project report entitled **"Bus reservation through menu driven program"** submitted by me to VIT University, Vellore in partial fulfilment of the requirement for the award of the degree of **B. Tech (CSE)** is a record of J- component of project work carried out by me under the guidance of **Prof. A.Srivani**. I further declare that the work reported in this project has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.

Place : VIT University, Vellore
Date :

Signature of the faculty Signature of the Candidate

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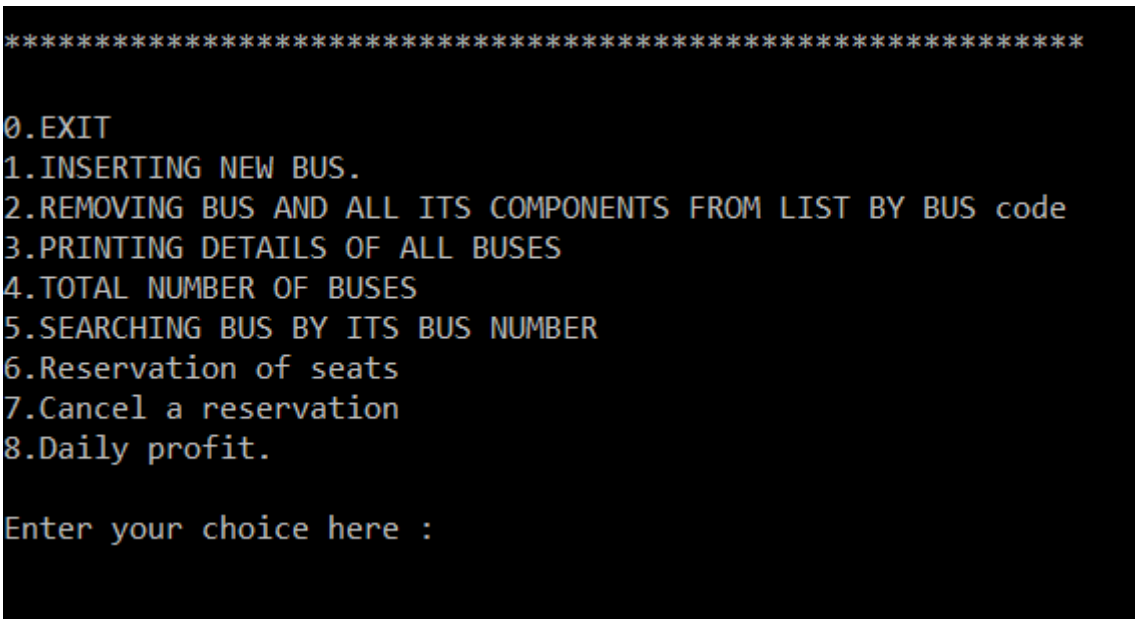
1. INTRODUCTION

1.1 Abstract

The given program is based Linked – List and is completely made on C language. The programs allow its user to add and alter data in the program. The menu driven access makes it easier for any user to use the program sufficiently.

A reservation system saves the details of all the Buses and manipulate them. This program will help a person to manage data of each bus efficiently. The program allows a person to add new bus in the list, with its additional information like name of Driver of the bus, the place from where bus starts its journey, the place where Bus have to reach, time of departure, time of arrival, cancellation of any bus and most importantly, reservation of passengers. Ticket booking, ticket cancellation, viewing details of each bus, and such tasks can be performed.

At any particular moment, total earnings can be seen, number of tickets booked in a particular bus can be known.



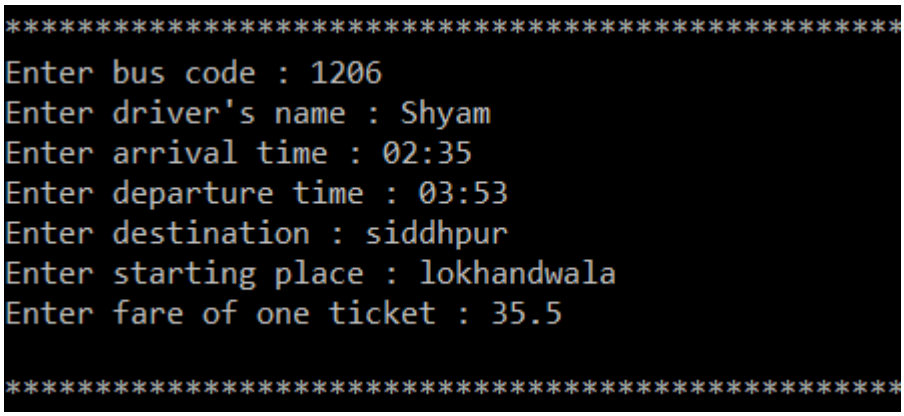
The menu driven program asks for the task which is to be performed in the first page. A person can book a ticket by entering ‘6’ (Reservation of seats) and then the program will ask to enter bus number in which one wishes to book ticket, then the program asks desired seats, and then the name of person after each detail is filled, a confirmations message shows up that ticket is booked, if there is any clash with seat number or something else, the user is notified

immediately about the same. After the confirmation message, details are stored in the program.

If someone wants to cancel the reservation, they can simply do it by pressing ‘7’ in the menu driven program. Daily income can be seen under ‘8’, and similarly for other commands.

But before booking any seats, there need to be a bus for it, which can be done by entering ‘1’ in the command window. After pressing ‘1’ in the command window, the program asks to enter bus code, Driver’s name, Arrival time (in format HH:MM) , Departure time, Destination, starting place and Price of one ticket. After receiving all the details, the program saves the information for further use like reservation.

Status of buses can be known by pressing ‘3’ or ‘5’. One shows details of all the buses while one shows details of particularly one bus only.



1.2 Background

This project was done to efficiently save and store data of buses and their passengers, and digitalizing the process so that it can be done more efficiently

2.1 Proposed work

Designing a reservation system with following operations.

1. Fill bus details
2. Check bus details
3. Booking a ticket
4. Cancellation of ticket
5. Cancellation of bus

2.2 Hardware requirements

The given program requires no specific hardware, any functional computer device can run the program

2.3 Software requirements

1. Code Blocks (Or any other C compiler (recommended - GNUCC))

3.1 Literature summary

Structures that are defined in the program are

Time: to take input of time in proper format

Node: to store Bus information like bus number, bus code, driver's name and other things.

The functions defined are –

- void srch(int num)
- int cunt(struct node *q)
- void Delete(int num)
- void insert(int x)
- void Print(struct node *q)
- void reservation(struct node *q)
- void cancel()
- void daily_profit()
- void line()

4.1 Methods Used

♦ Structures

Structures are used to store data of same bus under same name / position.

♦ Linked lists

Linked lists are used to go through one bus details to other bus details.

♦ Multi-Dimensional matrix

Multi-Dimensional matrix is used to store information of seats (reservation) of any particular bus.

4.2 Application

Bus reservation system has application in government or private transport offices where there is a need of storing data like these, this program can be very useful.

5.1 Code

```
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
#include<string.h>

char i=':';
char chEmpty[]="Empty";
struct time
{
   int iHrs,iMins;
};
static int Num=0;
struct node
{
   int bus_no;

   int iBusNum;
   int iBusCode;
   char chSeat[8][4][20];
   char chDrivers_Name[20];
   struct time stDeparture_Time, stArrival_Time;
   char chGoesTo[20];
   char chGoesFrom[20];
   float fFare;
   int iTicketSold;
```

```
    struct node *next;

}*p;

//Searching a Bus its bus number
void srch(int num)
{

    struct node *r;
    r=p;
    if(num==1)
    {
        printf("\nBus code -> %d\tDriver's name -> %s",r->bus_no,r->chDrivers_Name);
        printf("\nArrival time -> %d%c%d\tDeparture time -> %d%c%d",r->stArrival_Time.iHrs,i,r->stArrival_Time.iMins,r->stDeparture_Time.iHrs,i,r->stDeparture_Time.iMins);
        printf("\nFrom -> %s \t To -> %s",r->chGoesFrom,r->chGoesTo);
        printf("\nFare -> %f \t Tickets sold -> %d",r->fFare,r->iTicketSold);
        int i1,i2,index=0;
        for(i1=0;i1<8;i1++)
        {
            printf("\n");
            for(i2=0;i2<4;i2++)
            {
                index++;
                printf("%d. %s\t ",index,r->chSeat[i1][i2]);
            }
```

```
    }


}
else if(num<=cunt(p))
{
    int i;
    for(i=1;i<num;i++)
    {
        r=r->next;
    }
    printf("\nBus code -> %d\tDriver's name -> %s",r->bus_no,r->chDrivers_Name);
    printf("\nArrival time -> %d%c%d\tDeparture time -> %d%c%d",r->stArrival_Time.iHrs,i,r->stArrival_Time.iMins,r->stDeparture_Time.iHrs,i,r->stDeparture_Time.iMins);
    printf("\nFrom -> %s \t To -> %s",r->chGoesFrom,r->chGoesTo);
    printf("\nFare -> %f \t Tickets sold -> %d",r->fFare,r->iTicketSold);
    int i1,i2,index=0;
    for(i1=0;i1<8;i1++)
    {
        printf("\n");
        for(i2=0;i2<4;i2++)
        {
            index++;
            printf("%d. %s\t ",index,r->chSeat[i1][i2]);
        }
    }
```

```
    }
    else
    {
        printf("\n Wrong Bus number input (Remember, not Bus code, Bus NUMBER!)\n");
    }
}
```

```
//counting total number of buses
int cunt(struct node *q)
{

    struct node *temp;
    temp=q;
    int tot=0;
    while(temp!=NULL)
    {
        tot++;
        temp=temp->next;
    }
    return (tot);
}
```

```
//deleting a bus entry by its Bus code by its value
void Delete(int num)
{

    struct node *temp,*r;
    r=p;
    while(r!=NULL)
    {
        if(r->bus_no==num)
        {
            if(r==p)
            {
                p=r->next;
                free(r);
                return;
            }
            else
            {
                temp->next=r->next;
                free(r);
                return;
            }
        }
        else
        {
            temp=r;
```

```
            r=r->next;
        }
    }
printf("No such Bus code found.\n");
}


void insert(int x)
{

    struct node *temp,*m;
    m=p;
    temp=(struct node *)malloc(sizeof(struct node));
    temp->bus_no=x;
    Num++;
    temp->iBusNum=Num;
    dname:
    printf("Enter driver's name : ");
    fflush(stdin);
    gets(temp->chDrivers_Name);
    if(strlen(temp->chDrivers_Name)>20)
    {
        printf("Maximum 20 characters are allowed");
        goto dname;
    }

    aTime:
```

```
   printf("Enter arrival time : ");
   fflush(stdin);
   scanf("%d%c%d",&temp->stArrival_Time.iHrs,&i,&temp->stArrival_Time.iMins);
   if(temp->stArrival_Time.iHrs==0)
   {
      printf("\nInvalid time.");
      goto aTime;
   }
   if((i!=':')||(temp->stArrival_Time.iHrs>=24)||(temp->stArrival_Time.iHrs<0)||(temp->stArrival_Time.iMins>=60)||(temp->stArrival_Time.iMins<0))
   {
      printf("\nInvalid time !\n\t\tOnly format HH:MM accepted\n");
      goto aTime;
   }

   dTime:

   printf("Enter departure time : ");
   fflush(stdin);
   scanf("%d%c%d",&temp->stDeparture_Time.iHrs,&i,&temp->stDeparture_Time.iMins);
   if(temp->stDeparture_Time.iHrs==0)
   {
      printf("\nInvalid time.");
      goto dTime;
   }
```

```
   if((i!=':')||(temp->stDeparture_Time.iHrs>=24)||(temp-
>stDeparture_Time.iHrs<0)||(temp->stDeparture_Time.iMins>=60)||(temp-
>stDeparture_Time.iMins<0))
   {
      printf("\nInvalid time !\n\t\tOnly format HH:MM accepted\n");
      goto dTime;
   }

to:
   printf("Enter destination : ");
   fflush(stdin);
   gets(temp->chGoesTo);
   if(strlen(temp->chGoesTo)>20)
   {
      printf("\nOnly 20 characters or less");
      goto to;
   }

from:
   printf("Enter starting place : ");
   fflush(stdin);
   gets(temp->chGoesFrom);
   if(strlen(temp->chGoesFrom)>20)
   {
      printf("\nOnly 20 characters or less");
      goto from;
   }
```

```
printf("Enter fare of one ticket : ");
fflush(stdin);
scanf("%f",&temp->fFare);
temp->iTicketSold=0;

int i1,i2;
for(i1=0;i1<8;i1++)
{
   for(i2=0;i2<4;i2++)
   {
      strcpy(temp->chSeat[i1][i2],chEmpty);
   }
}



if(p==NULL)
{
   p=temp;
   p->next=NULL;
}
else
{
   while(m->next!=NULL)
      m=m->next;
   m->next=temp;
```

```
        m=temp;
        m->next=NULL;
    }
}

void Print(struct node *q)
{

    struct node *r;
    r=q;
    int cnt=1;
    while(r!=NULL)
    {
        line();
        printf("\n\nBus code -> %d\tBus number -> %d \tDriver's name -> %s",r->bus_no,cnt,r->chDrivers_Name);
        printf("\nArrival time -> %d%c%d\tDeparture time -> %d%c%d",r->stArrival_Time.iHrs,i,r->stArrival_Time.iMins,r->stDeparture_Time.iHrs,i,r->stDeparture_Time.iMins);
        printf("\nFrom -> %s \t To -> %s",r->chGoesFrom,r->chGoesTo);
        printf("\nFare -> %f \t Tickets sold -> %d",r->fFare,r->iTicketSold);
        cnt++;
        int i1,i2,index=0;
        for(i1=0;i1<8;i1++)
        {
            printf("\n");
            for(i2=0;i2<4;i2++)
            {
```

```
            index++;
            printf("%d. %s\t ",index,r->chSeat[i1][i2]);
          }
       }

      r=r->next;
   }
   printf("\n");
}

void reservation(struct node *q)
{
   struct node *r;
   r=q;
   int num,count=0,Seat;
   res:
   printf("Enter bus number : ");
   fflush(stdin);
   scanf("%d",&num);
   if(num>cunt(q)||(num<1))
   {
      printf("Sorry, no bus found with the given Bus number.\n");
      goto res;
   }
   while(count<num-1)
   {
      r=r->next;
```

```
    count++;
}
seat:
    printf("Enter seat number : ");
    fflush(stdin);
    scanf("%d",&Seat);
    char Name[20];
    if(Seat>32)
    {
        printf("Only 32 seats are there.\n");
        goto seat;
    }
    else if(Seat<1)
    {
        printf("Invalid input.\n");
        goto seat;
    }

    else if(strcmp(r->chSeat[Seat/4][Seat%4-1],"Empty")==0)
    {
        printf("Enter the passenger's name : ");
        name:
        fflush(stdin);
        gets(Name);
        if(strlen(Name)>20)
        {
            printf("Max 20 characters allowed\n");
```

```
            goto name;
        }
        strcpy(r->chSeat[Seat/4][Seat%4-1],Name);
        printf("\nSeat successfully reserved!\nDo you want to continue reservation ? : ");
        r->iTicketSold++;
        char ch;
        ch=getchar();
        if(ch=='y'||ch=='Y')
        {
            reservation(q);
        }
        else
            main();
    }
    else
    {
        printf("Seat already booked!\n");
        goto seat;
    }
}

void cancel()
{
  if(Num==0)
  {
    printf("Bus list is empty.\n");
    main();
```

```
}
struct node *r;
r=p;
enter:
printf("Enter Bus number : ");
int bus,ind=1;
fflush(stdin);
scanf("%d",&bus);
if(bus<1||bus>cunt(p))
   {
      printf("\nInvalid input.\n");
      goto enter;
   }
else
{
   while(ind<bus)
   {
      r=r->next;
      ind++;
   }
}
printf("Enter seat number : ");
int sea;
scanf("%d",&sea);
if(strcmp(r->chSeat[sea/4][sea%4-1],"Empty")==0)
{
   printf("The seat is already empty !\n");
```

```
        goto enter;
    }
    else
    {
        strcpy(r->chSeat[sea/4][sea%4-1],"Empty");
        printf("Successfully canceled reservation.\n");
        r->iTicketSold--;
        main();
    }
}

void daily_profit()
{
    struct node *r,*s;
    r=p;
    s=p;
    int cnt=0;
    if(cunt(p)==0)
    {
        printf("No buses are available\n");
        main();
    }
    while(s!=NULL)
    {

        if(s->iTicketSold!=0)
        {
```

```
            cnt++;
        }
        s=s->next;
    }
    if(cnt==0)
    {
        printf("No booking is done yet.\n");
        getch();
        main();
    }
    float Total=0;
    while(r!=NULL)
    {
        Total=Total+(r->iTicketSold*r->fFare);
        r=r->next;
    }
    printf("The total income of the buses is : %.2f\n",Total);
    main();
}
void line()
{
    int i;
    printf("\n");
    for(i=0;i<60;i++)
    {
        printf("*");
    }
```

```
    printf("\n");
}

//The main function
void main()
{
    int A;
    while(1)
    {
        line();
        printf("\n0.EXIT\n1.INSERTING NEW BUS.");
        printf("\n2.REMOVING BUS AND ALL ITS COMPONENTS FROM LIST BY BUS code");
        printf("\n3.PRINTING DETAILS OF ALL BUSES");
        printf("\n4.TOTAL NUMBER OF BUSES\n5.SEARCHING BUS BY ITS BUS NUMBER");
        printf("\n6.Reservation of seats\n7.Cancel a reservation\n8.Daily profit.");
        printf("\n\nEnter your choice here : ");
        scanf("%d",&A);
        switch(A)
        {
            case 1:
            {
                int x,n,i;
                line();
                    printf("Enter bus code : ");
                    scanf("%d",&x);
                    insert(x);
```

```
    break;
}
case 2:
{
    line();
    printf("\n Enter Bus code : ");
    int num;
    scanf("%d",&num);
    Delete(num);
    Print(p);
}
case 3:
{
    line();
    Print(p);
    break;
}
case 4:
    {
        line();
        printf("Total number of Buses are %d\n",cunt(p));
        break;
    }
case 5:
{
    int num;
    line();
```

```
    printf("Enter Bus number : ");
    scanf("%d",&num);
    if(num>cunt(p)||num<1)
    {
        printf("Invalid number !! \n");
        main();
    }
    srch(num);
    break;
}
case 6:
    {
        line();
        reservation(p);
        break;
    }
case 7:
    {
        line();
        cancel();
        break;
    }
case 8:
    {
        line();
        daily_profit();
        break;
```

```
            }
        case 0:
        {
            line();
            exit(1);
            break;
        }
        default:
            {
                printf("\n\nWrong choice...");
                break;
            }
    }
  }
}
```

5.2 Output

```
************************************************************

0.EXIT
1.INSERTING NEW BUS.
2.REMOVING BUS AND ALL ITS COMPONENTS FROM LIST BY BUS code
3.PRINTING DETAILS OF ALL BUSES
4.TOTAL NUMBER OF BUSES
5.SEARCHING BUS BY ITS BUS NUMBER
6.Reservation of seats
7.Cancel a reservation
8.Daily profit.

Enter your choice here : 1

************************************************************
Enter bus code : 1206
Enter driver's name : Shyam
Enter arrival time : 02:35
Enter departure time : 03:53
Enter destination : siddhpur
Enter starting place : lokhandwala
Enter fare of one ticket : 35.5

************************************************************

0.EXIT
1.INSERTING NEW BUS.
2.REMOVING BUS AND ALL ITS COMPONENTS FROM LIST BY BUS code
3.PRINTING DETAILS OF ALL BUSES
4.TOTAL NUMBER OF BUSES
5.SEARCHING BUS BY ITS BUS NUMBER
6.Reservation of seats
7.Cancel a reservation
8.Daily profit.

Enter your choice here : 1

************************************************************
Enter bus code : 12036
Enter driver's name : Ramesh
Enter arrival time : 10:45
Enter departure time : 12:50
Enter destination : Ayodhya
Enter starting place : Dwarka
Enter fare of one ticket : 135.0

************************************************************
```

```
Enter fare of one ticket : 135.0

************************************************************

0.EXIT
1.INSERTING NEW BUS.
2.REMOVING BUS AND ALL ITS COMPONENTS FROM LIST BY BUS code
3.PRINTING DETAILS OF ALL BUSES
4.TOTAL NUMBER OF BUSES
5.SEARCHING BUS BY ITS BUS NUMBER
6.Reservation of seats
7.Cancel a reservation
8.Daily profit.

Enter your choice here : 1

************************************************************
Enter bus code : 12365
Enter driver's name : Suresh
Enter arrival time : 12:50
Enter departure time : 01:23
Enter destination : Delhi
Enter starting place : Chandigarh
Enter fare of one ticket : 160

************************************************************

0.EXIT
1.INSERTING NEW BUS.
2.REMOVING BUS AND ALL ITS COMPONENTS FROM LIST BY BUS code
3.PRINTING DETAILS OF ALL BUSES
4.TOTAL NUMBER OF BUSES
5.SEARCHING BUS BY ITS BUS NUMBER
6.Reservation of seats
7.Cancel a reservation
8.Daily profit.

Enter your choice here : 6

************************************************************
Enter bus number : 1
Enter seat number : 1
Enter the passenger's name : Sahil

Seat successfully reserved!
Do you want to continue reservation ? : y
Enter bus number : 1
Enter seat number : 2
Enter the passenger's name : Smit
```

```
Enter bus number : 4
Sorry, no bus found with the given Bus number.
Enter bus number : 3
Enter seat number : 8
Enter the passenger's name : Parul

Seat successfully reserved!
Do you want to continue reservation ? : n

************************************************************

0.EXIT
1.INSERTING NEW BUS.
2.REMOVING BUS AND ALL ITS COMPONENTS FROM LIST BY BUS code
3.PRINTING DETAILS OF ALL BUSES
4.TOTAL NUMBER OF BUSES
5.SEARCHING BUS BY ITS BUS NUMBER
6.Reservation of seats
7.Cancel a reservation
8.Daily profit.

Enter your choice here : 3

************************************************************

************************************************************


Bus code -> 1206        Bus number -> 1         Driver's name -> Shyam
Arrival time -> 2:35    Departure time -> 3:53
From -> lokhandwala      To -> siddhpur
Fare -> 35.500000        Tickets sold -> 4
1. Sahil         2. Smit         3. Empty        4. Empty
5. Empty         6. Shyam        7. Empty        8. Empty
9. Empty         10. Empty       11. Empty       12. Empty
13. Empty        14. Empty       15. Empty       16. Lalit
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
************************************************************


Bus code -> 12036       Bus number -> 2         Driver's name -> Ramesh
Arrival time -> 10:45   Departure time -> 12:50
From -> Dwarka   To -> Ayodhya
Fare -> 135.000000       Tickets sold -> 2
1. Mehul         2. Empty        3. Empty        4. Empty
5. Empty         6. Empty        7. Empty        8. Mohit
```

```
Seat successfully reserved!
Do you want to continue reservation ? : y
Enter bus number : 1
Enter seat number : 2
Enter the passenger's name : Smit

Seat successfully reserved!
Do you want to continue reservation ? : y
Enter bus number : 1
Enter seat number : 16
Enter the passenger's name : Lalit

Seat successfully reserved!
Do you want to continue reservation ? : y
Enter bus number : 1
Enter seat number : 1
Seat already booked!
Enter seat number : 6
Enter the passenger's name : Shyam

Seat successfully reserved!
Do you want to continue reservation ? : y
Enter bus number : 2
Enter seat number : 8
Enter the passenger's name : Mohit

Seat successfully reserved!
Do you want to continue reservation ? : y
Enter bus number : 2
Enter seat number : 1
Enter the passenger's name : Mehul

Seat successfully reserved!
Do you want to continue reservation ? : y
Enter bus number : 3
Enter seat number : 6
Enter the passenger's name : Radha

Seat successfully reserved!
Do you want to continue reservation ? : y
Enter bus number : 4
Sorry, no bus found with the given Bus number.
Enter bus number : 3
Enter seat number : 8
Enter the passenger's name : Parul

Seat successfully reserved!
```

```
5. Empty        6. Shyam        7. Empty        8. Empty
9. Empty        10. Empty       11. Empty       12. Empty
13. Empty       14. Empty       15. Empty       16. Lalit
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
************************************************************


Bus code -> 12036       Bus number -> 2         Driver's name -> Ramesh
Arrival time -> 10:45   Departure time -> 12:50
From -> Dwarka   To -> Ayodhya
Fare -> 135.000000       Tickets sold -> 2
1. Mehul        2. Empty        3. Empty        4. Empty
5. Empty        6. Empty        7. Empty        8. Mohit
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
************************************************************


Bus code -> 12365       Bus number -> 3         Driver's name -> Suresh
Arrival time -> 12:50   Departure time -> 1:23
From -> Chandigarh       To -> Delhi
Fare -> 160.000000       Tickets sold -> 2
1. Empty        2. Empty        3. Empty        4. Empty
5. Empty        6. Radha        7. Empty        8. Parul
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

************************************************************

0.EXIT
1.INSERTING NEW BUS.
2.REMOVING BUS AND ALL ITS COMPONENTS FROM LIST BY BUS code
3.PRINTING DETAILS OF ALL BUSES
4.TOTAL NUMBER OF BUSES
5.SEARCHING BUS BY ITS BUS NUMBER
6.Reservation of seats
7.Cancel a reservation
8.Daily profit.
```

```
0.EXIT
1.INSERTING NEW BUS.
2.REMOVING BUS AND ALL ITS COMPONENTS FROM LIST BY BUS code
3.PRINTING DETAILS OF ALL BUSES
4.TOTAL NUMBER OF BUSES
5.SEARCHING BUS BY ITS BUS NUMBER
6.Reservation of seats
7.Cancel a reservation
8.Daily profit.

Enter your choice here : 5

************************************************************
Enter Bus number : 2

Bus code -> 12036       Driver's name -> Ramesh
Arrival time -> 10:45   Departure time -> 12:50
From -> Dwarka   To -> Ayodhya
Fare -> 135.000000       Tickets sold -> 2
1. Mehul         2. Empty        3. Empty        4. Empty
5. Empty         6. Empty        7. Empty        8. Mohit
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
************************************************************

0.EXIT
1.INSERTING NEW BUS.
2.REMOVING BUS AND ALL ITS COMPONENTS FROM LIST BY BUS code
3.PRINTING DETAILS OF ALL BUSES
4.TOTAL NUMBER OF BUSES
5.SEARCHING BUS BY ITS BUS NUMBER
6.Reservation of seats
7.Cancel a reservation
8.Daily profit.

Enter your choice here :
```

```
0.EXIT
1.INSERTING NEW BUS.
2.REMOVING BUS AND ALL ITS COMPONENTS FROM LIST BY BUS code
3.PRINTING DETAILS OF ALL BUSES
4.TOTAL NUMBER OF BUSES
5.SEARCHING BUS BY ITS BUS NUMBER
6.Reservation of seats
7.Cancel a reservation
8.Daily profit.

Enter your choice here : 4

************************************************************
Total number of Buses are 3

************************************************************
```

6.1 Conclusion

Bus reservation system can be very helpful in managing data in the field of bus transport and efficient work can be done in office using the same.

7 References

Geeksforgeeks.com

Google.com