

PROJECT REPORT
ON
Pune Shuttle Line (Bus Ticketing System)



REPORT SUBMITTED
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ABSTRACT

The name Suttle line (Bus reservation system) is the software that helps us to see all bus routes with the bus no and the total seats available. Its main purpose is to reserve the seats for various destinations. So, people can easily reserve seats from any place with.

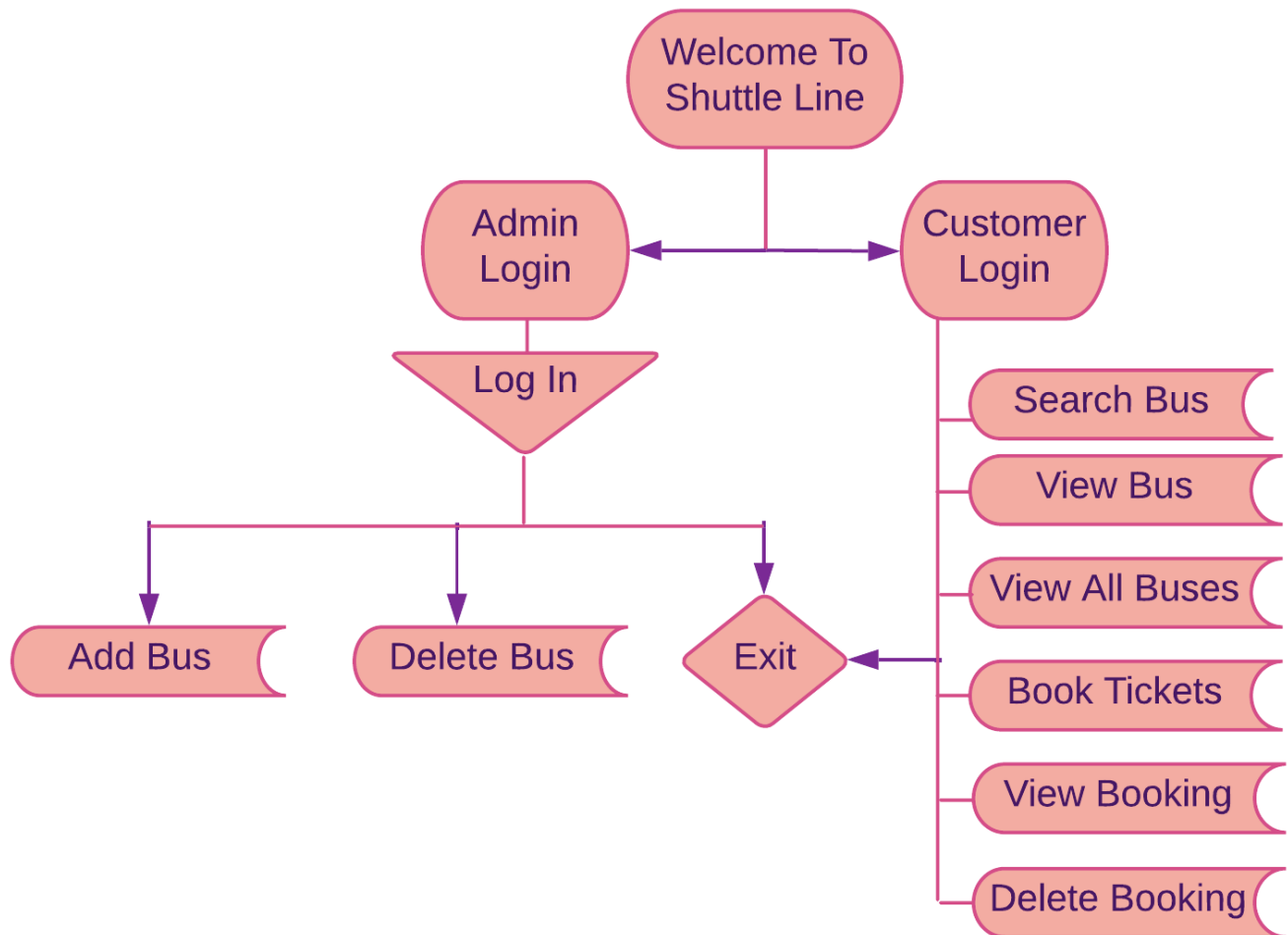
Therefore the Bus Reservation System was designed. After the release of this system, the stress and workload of the employee were absolutely finished. It was also time-wasting for the travelers to book a Ticket previously. But now it hardly takes 10 to 15 minutes to book a ticket wherever the passenger is.

This Bus Ticket Booking project will provide an Online bus ticket booking platform and thereby leverage the tedious manual ticket booking activity for a customer. We can come up with features like saving favorite routes and providing discounts for the same. We can provide a feature that will allow the customer to get a ticket booked without much hassle.

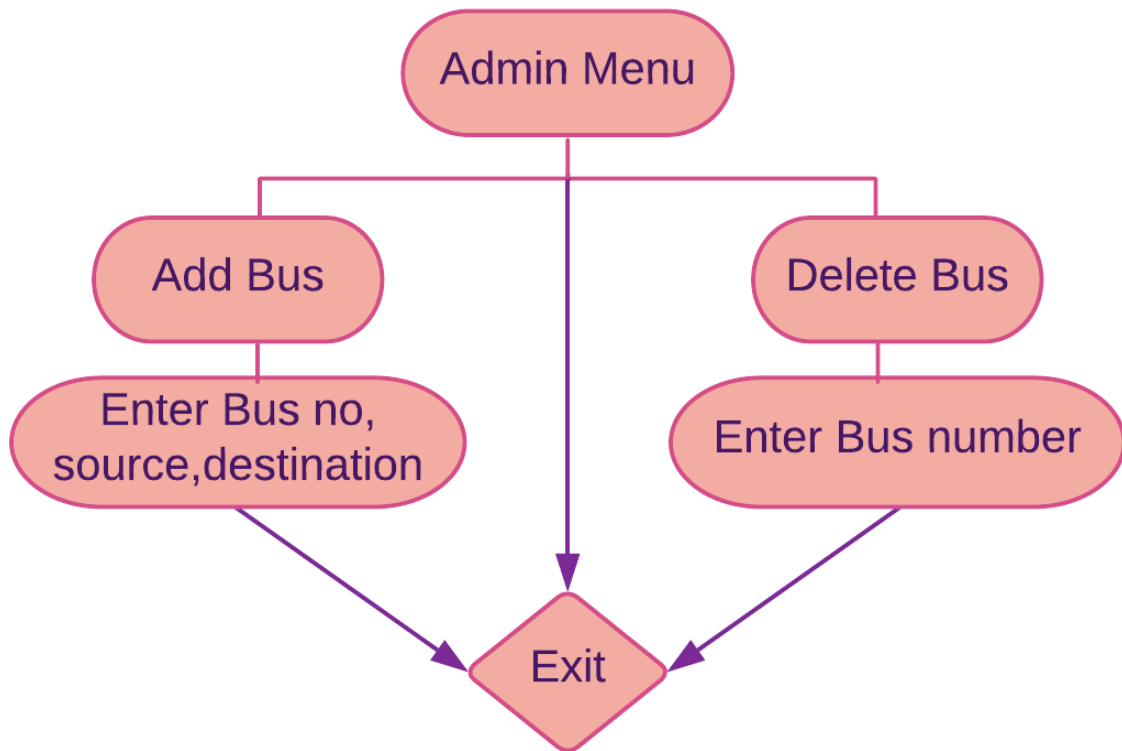
INTRODUCTION AND THEORY

The main motive of our project is to provide a Bus Reservation System software that handles the entire booking data of the Bus. It is fully based on the concept of reserving bus seats 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 Bus Reservation systems.

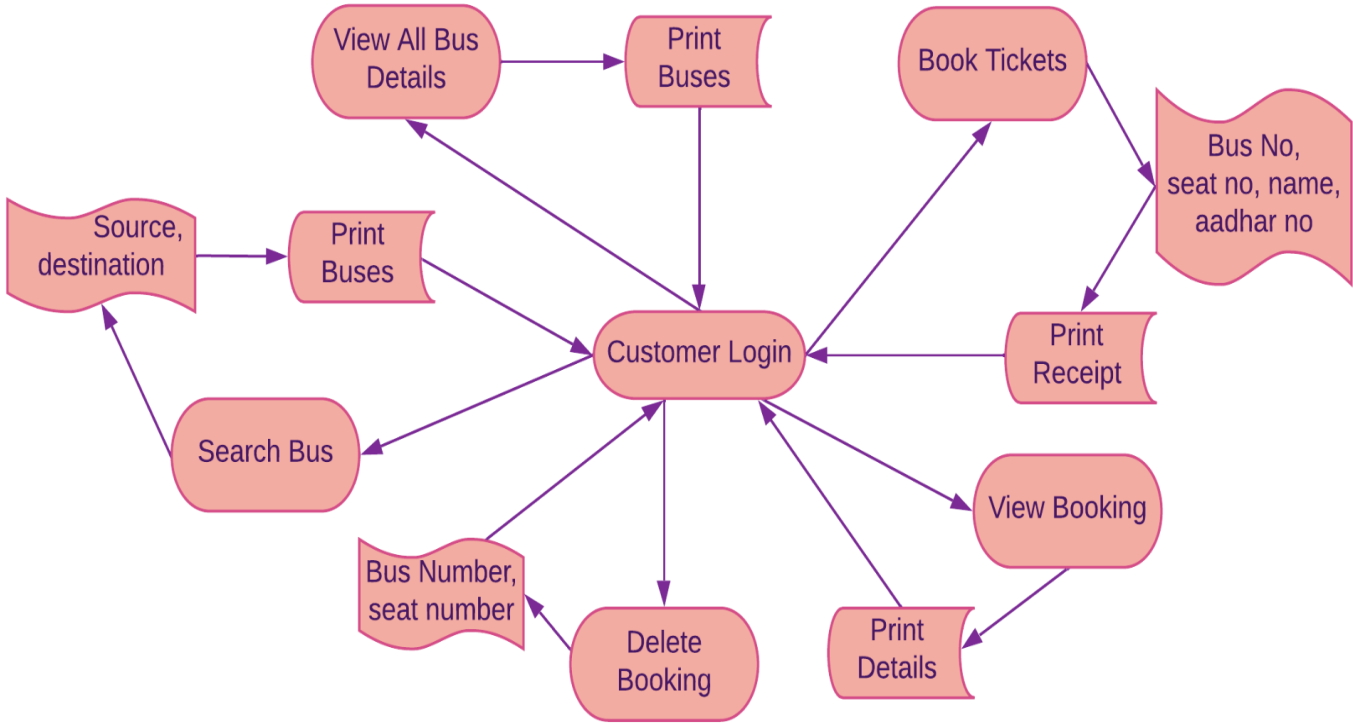
FLOW OF PROGRAM



FLOW OF PROGRAM



FLOW OF PROGRAM



SOURCE CODE OF THE PROGRAM

```
#include<iostream>
#include<conio.h>
#include<fstream>
#include<windows.h>
using namespace std;

class bus
{
private:
    string b_no,from,to,via;
    int b_seats;
public:
    void menu1();
    void menu2();
    void new_bus();
    void view_bus();
    void single_bus_view();
    void PMC_bus_view();
    void PCMC_bus_view();
    void all_bus_view();
    void del_bus();
    void ticket_booking();
    void seat_details();
};

void bus::menu1()
{
    p:
    system("cls");
    int choice;
    system("cls");
    cout<<"\n\t\t\t\t\t----- Welcome to PMPML Bus Reservation system -----";
    cout<<"\n\n\n\t\t\t\t\t * Main Menu * ";
    cout<<"\n\n\n\t\t\t 1. Add Bus Record";
    cout<<"\n\n\n\t\t\t 2. Delete Bus Details";
    cout<<"\n\n\n\t\t\t 3. Exit";
    cout<<"\n\n\n\t\t\tEnter your Choice : ";
    cin>>choice;

    switch(choice)
    {
        case 1:
            new_bus();
            break;
        case 2:
            del_bus();
        case 3:
            cout<<"\n\n\n\t\t\t\t\t ---Thank you for visiting us---";
            exit(0);
        default:
            cout<<"\n\n\n Invalid Choice...Try Again...";
    }
}

void bus::menu2()
{
    int choice;
    system("cls");
    cout<<"\n\t\t\t\t\t----- Welcome to PMPML Bus Reservation system -----";
    cout<<"\n\n\n\n\t\t\t\t\t * Main Menu * ";
    cout<<"\n\n\n\n\t\t 1.View all Bus details";
    cout<<"\n\n\t 2.Serach Destination";
    cout<<"\n\n\t 3.Seat Booking";
    cout<<"\n\n\t 4.Search booking Record";
    cout<<"\n\n\t 5.Update Booking Menu";
    cout<<"\n\n\t 6.Delete Booking Record";
    cout<<"\n\n\t 7.Exit";
    cout<<"\n\n\n\n\t\t Enter your Choice : ";
    cin>>choice;
```


OUTPUT

```
----- Welcome to PMPML Bus Reservation system -----
```

```
* Main Menu *
```

- 1.View all Bus details
- 2.Serach Destination
- 3.Seat Booking
- 4.Search booking Record
- 5.Update Booking Menu
- 6.Delete Booking Record
- 7.Exit

```
Enter your Choice :
```

----- Welcome to Pune Shuttle Line -----

Bus no : 42

Seat no : 25

Customer First name : Aditya

Customer Last name : Shelar

Aadhar no (last 4 digit) : 4254

----- Welcome to Pune Shuttle Line -----

----- Booking Details -----

Name : Atharv Tembhurnikar

Bus no : 43

Seat id : 7496_29

LIST OF THE TOPICS/ CONCEPT WHICH ARE COVERED FROM THE SYLLABUS

- Loops
 - ❖ If - else if - else
 - ❖ for
 - ❖ while
 - ❖ do-while
- switch case
- user defined function
- classes
- break, goto statement
- basic functions cin, cout

LIST OF THE TOPICS/ CONCEPT WHICH ARE OUT OF THE SYLLABUS

- file handling (fstream header file)
- windows.h header file for sleep function
- conio.h header file for getch() function

CONCLUSION

It can be observed that computer applications are very important in every field of human endeavor. Here all the information about customers that made reservations can be gotten just by clicking a button with this new system, some of the difficulties encountered with the manual system are overcome. It will also reduce the workload of the staff, reduce the time used for making reservations at the bus terminal and also increase efficiency. The project also has the ability to update records in various files automatically thereby relieving the company's staff, the stress of working from file security of data.

This project, as a whole, will give a new way in bus reservations and ticketing processes. The automation and management of seats and reservations will be done online. However, this project does not limit the walk-in passengers, that is passengers who visit the company's counter because it also caters for them. This also lessens the use of papers like in the traditional way of ticketing.

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