**INTRODUCTION**

Bus TICKET BOOKING SYSTEM:

This Software project is aimed at automation of Online Ticket booking. Objective of the project is to develop customize software package for Ticket booking.

In our daily life we have to book ticket for Bus, movies, Flight and cricket match or foot boll match. When we do this task manually then it becomes very hard to manage the ticket booking. So are developing this system to manage booking of ticket automatically. In this [bus ticket booking](https://sites.google.com/site/downloadmebad/system/errors/NodeNotFound?suri=wuid://defaultdomain/downloadmebad/gx:2eb502589d310726&attredirects=0&d=1) project we develop the system that can help the user to book their ticket online. In this project we take care of every service related to travelling and online ticket booking. When you start your traveling tour you have to book ticket so we help you from the starting point to the end. we help you in booking your traveling ticket.  [bus ticket booking system in php](https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnxkb3dubG9hZG1lYmFkfGd4OjU3YWJkNmQ2N2YxYjQxZQ) then when you reached your destination we help you in booking hotels or booking cars. you can also book your movies ticket from this project system.

Online Bus ticket booking system:

Home page has the functionality of selecting journey date, journey root and destination place. we can also select payment type and book our ticket. we can also select bus for our journey form home page. we can also check fare and [bus ticket booking](https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnxkb3dubG9hZG1lYmFkfGd4OjJlYjUwMjU4OWQzMTA3MjY) cancellation from home page. We can also hire bus for our journey or we can also book bus for airport. So using the home page we can select bus, we can select root and we can select departure place and destination place. After selection the bus and selecting journey root we can make payment of our ticket [bus ticket booking system in php](https://sites.google.com/site/downloadmebad/system/errors/NodeNotFound?suri=wuid://defaultdomain/downloadmebad/gx:57abd6d67f1b41e&attredirects=0&d=1). When payment is successful an sms is send to given mobile number for confirmation of the ticket booking confirmation. or user can print the ticket from home page.

* Ticket Detail Functions
* Issuing a New Ticket
* Modification to Ticket assigned
* Log-in and Log-out Detail Functions.
* Creating the reports etc.

**SYSTEM**

Local Ticket Booking:

 In this field of booking the agency provides the services available with its agency local to its area.

 Non local Ticket Booking:

 In this field the agency provides the services available with non-local agency.  [bus ticket booking system in asp.net](https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnxkb3dubG9hZG1lYmFkfGd4OjYxZmE1Y2RlNmVhMDc3ZDk) But service to the customer it provided by non-local providers of the same agency.

 Shared Booking:

 In this field the agency can book the tickets for the customers with the services provided by other travel agencies. In this case customer handling is taken care by the other agency.

While booking the bus you have to give your mobile number and name and email address and number of ticket you want. [bus ticket booking system in asp.net](https://sites.google.com/site/downloadmebad/system/errors/NodeNotFound?suri=wuid://defaultdomain/downloadmebad/gx:61fa5cde6ea077d9&attredirects=0&d=1) You can also give date of journey and return date of journey. While you fill up all the mandatory fields you have to click on submit button. If the ticket is available then you can select the seat in bus. After that you have to give payment of the ticket. When you pay the money for the ticket then you get the confirmation message that your ticket is booked. You get a Receipt of it. [bus ticket booking system project report](https://sites.google.com/site/downloadmebad/system/errors/NodeNotFound?suri=wuid://defaultdomain/downloadmebad/gx:7fc166359e77375c&attredirects=0&d=1)

TICKET BOOKING SYSTEM :

If you want to cancel your ticket you can click on cancel button on home page from [bus ticket booking system](https://sites.google.com/site/downloadmebad/system/errors/NodeNotFound?suri=wuid://defaultdomain/downloadmebad/gx:62c97e74d9f9877&attredirects=0&d=1). Ticket cancellation page will display. On this page you have to enter Ticket number that you want to cancel and email id that you have given while booking the ticket and click on cancel button. After clicking on cancel button you will get confirmation message of your ticket cancellation. Below is the cancel ticket screen.

**DFD of TICKET BOOKING**

Below we have given the data flow diagram of [bus ticket booking system](https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnxkb3dubG9hZG1lYmFkfGd4OjYyYzk3ZTc0ZDlmOTg3Nw). In this diagram you can see first a customer come with a request. This request is about a ticket that he wants to book a ticket on a specific destination and on a specific date. We process his request and check the availability of the ticket. If the ticket is available on that particular date then we tell the customer that ticket is available. For [bus ticket booking system in java](https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnxkb3dubG9hZG1lYmFkfGd4Ojc1M2IwZmYzNTRlYTY2MWM) checking the availability we access our online record of the buses on that particular date and for that destination. If ticket is available user can book his ticket online.

**Airport bus ticket booking system:**

You can also book bus for airport. When we are about to finish our tour the last task we have to do is to reach airport on time. So in this project we have also developed airport bus service functionality.  In this [bus ticket booking system project report](https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnxkb3dubG9hZG1lYmFkfGd4OjdmYzE2NjM1OWU3NzM3NWM) service you can hire bust for airport. Below is the airport bus service page. in this page you have to select boarding point and dropping point and date of the journey. When you fill up all the mandatory information the booking system check the availability of the bus ticket. If the ticket is available then you can book the ticket. The benefit of this bus is this [bus ticket booking system in java](https://sites.google.com/site/downloadmebad/system/errors/NodeNotFound?suri=wuid://defaultdomain/downloadmebad/gx:753b0ff354ea661c&attredirects=0&d=1) does not stop any stops and take you to the airport directly.

Types of questions asked during the interviews :

1 . Could you please tell us your name and probably the area that you come from in thistown?  
2 . Have you ever used automated system in your operations previously? What were thecapabilities of that system if any?  
3. Directed to the respondent if the previous answer is no. Would you like the system to beintroduced?  
4. What features would you like incorporated in the application?

**CODING**

#include<stdio.h>

#include<conio.h>

#include<stdlib.h>

#include<string.h>

typedef struct{

char name[50];

int bus\_num;

int num\_of\_seats;

}pd;

void reservation(void);

void viewdetails(void);

void printticket(char name[],int,int,float);

void specificbus(int);

float charge(int,int);

void login();

int main()

{

system("cls");

system("COLOR 0A");

printf("\t\t=================================================\n");

printf("\t\t \n");

printf("\t\t \n");

printf("\t\t ------------------------------- \n");

printf("\t\t BUS TICKET RESERVATIO \n");

printf("\t\t SYSTEM \n");

printf("\t\t ------------------------------- \n");

printf("\t\t \n");

printf("\t\t \n");

printf("\t\t \n");

printf("\t\t \n");

printf("\t\t \n");

printf("\t\t=================================================\n");

printf(" \n Press any key to continue:");

getch();

system("cls");

login();

int menu\_choice,choice\_return;

start:

system("cls");

printf("=========================================");

printf(" BUS RESERVATION SYSTEM ");

printf("=========================================");

printf("\n1>> Reserve A Ticket ");

printf("\n-----------------------------------");

printf("\n2>> View All Available Bus ");

printf("\n-----------------------------------");

printf("\n3>> Exit");

printf("\n-->");

scanf("%d",&menu\_choice);

switch(menu\_choice)

{

case 1:

reservation();

break;

case 2:

viewdetails();

printf("\n\nPress any key to go to Main Menu..");

getch();

break;

case 3:

return(0);

default:

printf("\nInvalid Choice");

}

goto start;

return(0);

}

void viewdetails(void)

{

system("cls");

printf("-----------------------------------------------------");

printf("\nBus.No\t\tName\t\tDestinations \t\tCharges \t\tTime\n");

printf("-----------------------------------------------------");

printf("\n1001\tRoyal Express \tDhaka to Jhenidah \tRs.550 \t\t09:00 AM");

printf("\n1002\tRoyal Express \tDhaka to Jhenidah \tRs.550 \t\t09:00 PM");

printf("\n1003\tGreen Line \tDhaka to Jashore \tRs.550 \t\t10:00 AM");

printf("\n1004\tGreen Line \tDhaka to Jashore \tRs.550 \t\t10:00 PM");

printf("\n1005\tShohag Paribahan \tDhaka to Khulna \tRs.550 \t\t07:00 AM");

printf("\n1006\tShohag Paribahan \tDhaka to Khulna \tRs.550 \t\t07:00 PM");

printf("\n1007\tShohag Paribahan \tDhaka to Jashore \tRs.550 \t\t08:00 AM");

printf("\n1008\tShohag Paribahan \tDhaka to Jashore \tRs.550 \t\t08:00 PM");

printf("\n1009\tHanif Enterprise \tDhaka to Khulna \tRs.550 \t\t11:00 AM");

printf("\n1010\tHanif Enterprise \tDhaka to Khulna \tRs.550 \t\t11:00 PM");

printf("\n1011\tShyamoli Paribahan \tDhaka to Chuadanga \tRs.550 \t\t09:00 AM");

printf("\n1012\tShyamoli Paribahan \tDhaka to Chuadanga \tRs.550 \t\t09:00 PM");

}

void reservation(void)

{

char confirm;

int i=0;

float charges;

pd passdetails;

FILE \*fp;

fp=fopen("seats\_reserved.txt","a");

system("cls");

printf("\nEnter Your Name:> ");

fflush(stdin);

gets(passdetails.name);

printf("\nEnter Number of seats:> ");

scanf("%d",&passdetails.num\_of\_seats);

printf("\n\n>>Press Enter To View Available Bus<< ");

getch();

system("cls");

viewdetails();

printf("\n\nEnter Bus Number:> ");

start1:

scanf("%d",&passdetails.bus\_num);

if(passdetails.bus\_num>=1001 && passdetails.bus\_num<=1012)

{

charges=charge(passdetails.bus\_num,passdetails.num\_of\_seats);

printticket(passdetails.name,passdetails.num\_of\_seats,passdetails.bus\_num,charges);

}

else

{

printf("\nInvalid Bus Number! Enter again--> ");

goto start1;

}

printf("\nConfirm Ticket (y/n):>");

start:

scanf("%c",&confirm);

if(confirm=='y')

{

fprintf(fp,"%s\t\t%d\t\t%d\t\t%.2f\n",&passdetails.name,passdetails.num\_of\_seats,passdetails.bus\_num,charges);

printf("=================================");

printf("\n Reservation Done ");

printf("=================================");

printf("\nPress any key to go back to Main menu");

}

else

{

if(confirm=='n')

{

printf("\nReservation Not Done!\nPress any key to go back to Main menu!");

}

else

{

printf("\nInvalid choice entered!Enter again----> ");

goto start;

}

}

fclose(fp);

getch();

}

float charge(int bus\_num,int num\_of\_seats)

{

if(bus\_num==1001)

{

return(500\*num\_of\_seats);

}

if(bus\_num==1002)

{

return(500\*num\_of\_seats);

}

if(bus\_num==1003)

{

return(450\*num\_of\_seats);

}

if(bus\_num==1004)

{

return(450\*num\_of\_seats);

}

if(bus\_num==1005)

{

return(400\*num\_of\_seats);

}

if(bus\_num==1006)

{

return(400\*num\_of\_seats);

}

if(bus\_num==1007)

{

return(350\*num\_of\_seats);

}

if(bus\_num==1008)

{

return(350\*num\_of\_seats);

}

if(bus\_num==1009)

{

return(600\*num\_of\_seats);

}

if(bus\_num==1010)

{

return(600\*num\_of\_seats);

}

if(bus\_num==1011)

{

return(500\*num\_of\_seats);

}

if(bus\_num==1012)

{

return(500\*num\_of\_seats);

}

}

void printticket(char name[],int num\_of\_seats,int bus\_num,float charges)

{

system("cls");

printf("------------------------------------\n");

printf("\tTICKET\n");

printf("------------------------------------\n");

printf("Name: \t\t\t%s",name);

printf("\nNumber of Seats: \t%d",num\_of\_seats);

printf("\nBus Number :\t\t%d",bus\_num);

specificbus(bus\_num);

printf("\nCharges: \t\t%.2f",charges);

}

void specificbus(int bus\_num)

{

if(bus\_num==1001)

{

printf("\nBus: \t\tRoyal Express ");

printf("\nDestination: \t\tDhaka to Jhenidah");

printf("\nDeparture: \t\t09:00 PM ");

}

if(bus\_num==1002)

{

printf("\nBus: \t\tRoyal Express ");

printf("\nDestination: \t\tDhaka to Jhenidah");

printf("\nDeparture: \t\t09:00 AM ");

}

if(bus\_num==1003)

{

printf("\nBus: \t\tGreen Line ");

printf("\nDestination: \t\tDhaka to Jashore");

printf("\nDeparture: \t\t10:00 PM ");

}

if(bus\_num==1004)

{

printf("\nBus: \t\tGreen Line ");

printf("\nDestination: \t\tDhaka to Jashore");

printf("\nDeparture: \t\t10:00 AM ");

}

if(bus\_num==1005)

{

printf("\nBus: \t\tShohag Paribahan");

printf("\nDestination: \t\tDhaka to Khulna");

printf("\nDeparture: \t\t07:00 PM ");

}

if(bus\_num==1006)

{

printf("\nBus: \t\tShohag Paribahan");

printf("\nDestination: \t\tDhaka to Khulna");

printf("\nDeparture: \t\t07:00 AM ");

}

if(bus\_num==1007)

{

printf("\nBus: \t\tShohag Paribahan");

printf("\nDestination: \t\tDhaka to Jashore");

printf("\nDeparture: \t\t08:00 PM ");

}

if(bus\_num==1008)

{

printf("\nBus: \t\tShohag Paribahan");

printf("\nDestination: \t\tDhaka to Jashore");

printf("\nDeparture: \t\t08:00 AM ");

}

if(bus\_num==1009)

{

printf("\nBus: \t\tHanif Enterprise");

printf("\nDestination: \t\tDhaka to Khulna");

printf("\nDeparture: \t\t11:00 PM ");

}

if(bus\_num==1010)

{

printf("\nBus: \t\tHanif Enterprise");

printf("\nDestination: \t\tDhaka to Khulna");

printf("\nDeparture: \t\t11:00 AM ");

}

if(bus\_num==1011)

{

printf("\nBus: \t\tShyamoli Paribahan");

printf("\nDestination: \t\tDhaka to Chuadanga");

printf("\nDeparture: \t\t09:00 PM ");

}

if(bus\_num==1012)

{

printf("\nBus: \t\tShyamoli Paribahan");

printf("\nDestination: \t\tDhaka to Chuadanga");

printf("\nDeparture: \t\t09:00 AM ");

}

}

void login()

{

int a=0,i=0;

char uname[10],c=' ';

char pword[10],code[10];

char user[10];

char pass[10];

do

{

printf("\n ================= LOGIN FORM =================\n ");

printf("\n ENTER USERNAME: ");

scanf("%s",&uname);

printf("\n ENTER PASSWORD: ");

while(i<10)

{

pword[i]=getch();

c=pword[i];

if(c==13) break;

else printf("\*");

i++;

}

pword[i]='\0';

i=0;

if(strcmp(uname,"admin")==0 && strcmp(pword,"admin")==0)

{

printf(" \n\n\n WELCOME TO OUR BUS RESERVATION SYSTEM !! YOUR LOGIN IS SUCCESSFUL");

printf("\n\n\n\t\t\tPress any key to continue...");

getch();

break;

}

else

{

printf("\n SORRY !!!! LOGIN IS UNSUCESSFUL");

a++;

getch();

system("cls");

}

}

while(a<=2);

if(a>2)

{

printf("\nSorry you have entered the wrong username and password for four times !!!");

getch();

}

system("cls");

}