
Project Name:

BUS TICKET BOOKING SYSTEM

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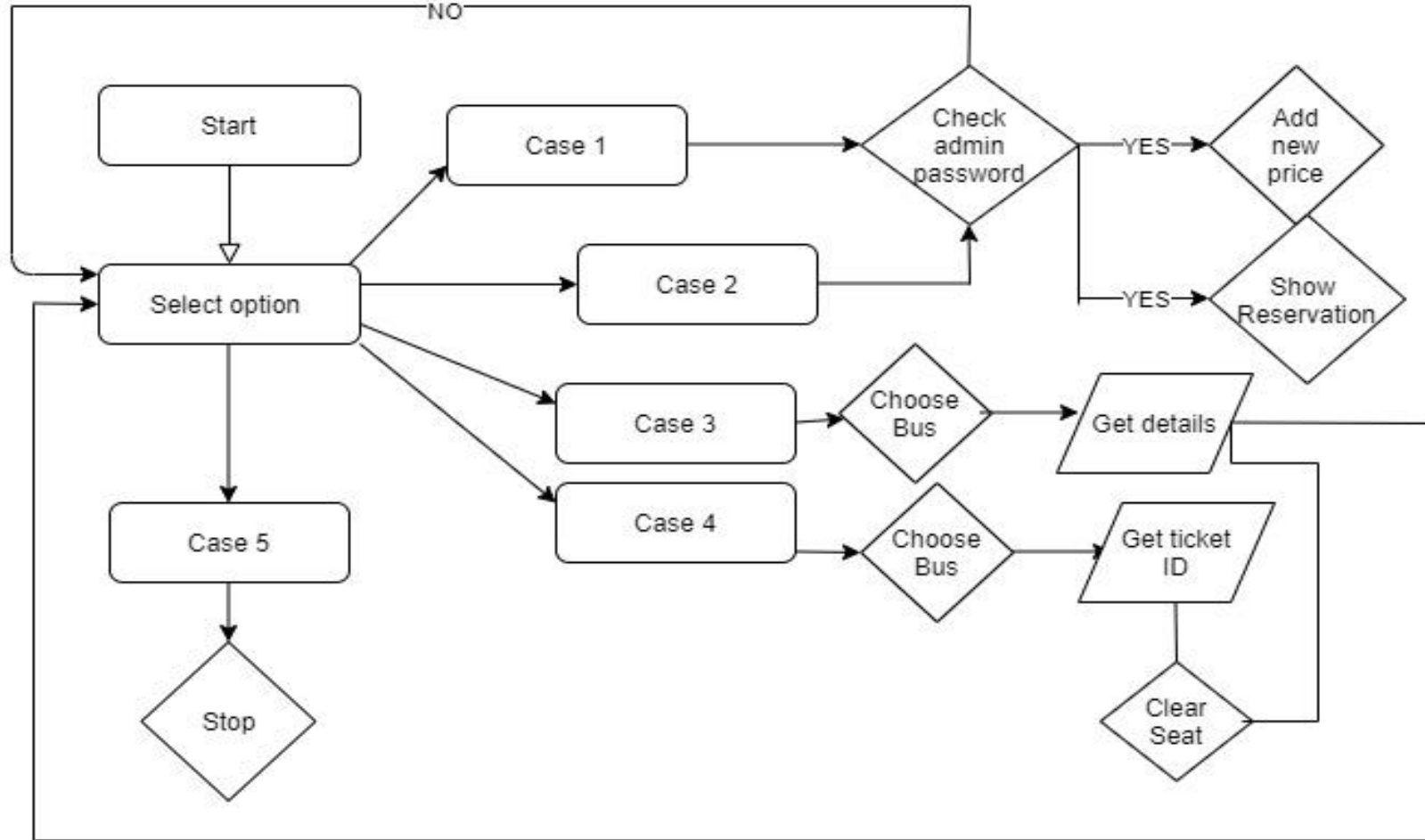
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Introduction


1. Bus Ticket Booking system is a program where you can buy Bus ticket.
2. You can avoid long queue for buy ticket.
3. You can get your seat details by it.
4. It is easy and save your time

Flow Chart of the program :



—


For make main function liter we used 3 file 1 file is main file and 2 ar sub files .We add main 2 sub file with main file as The header file.



```
#include "busdetails.c"  
#include "decleration.c"
```

—

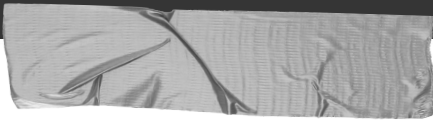
For reuse the variable again and again we created a structure (user defined data type) at busdetails.c file .



```
#include<stdio.h>
struct busdetails{
    char name[25];
    char phone[15];
    int seat;
    int id;
};
```

—

To make main function liter and easy to edit we made decleration.c file for declare all the funcion used in main.c file.



```
int changeprize(int);
void reservation(int *,int,int );
int choicel(void);
void cancel(int *);
void ticket1(int choice,char name[10],int id2,int price);
void ticket2(int choice,char name[10],int id2,int price);
void ticket3(int choice,char name[10],int id2,int price);
int cticket(void);
int ticket(void);
void details(void);
```

Here is the some function's code these are used in main.c file

choice:

```
int choicel(void)
{
    int choice;
    printf("\n\n          Dhaka To Tangail Ticket Booking System\n");
    printf("===== \n");
    printf("||          1.- To edit price of ticket (only admin):      || \n");
    printf("||          2.- To view reserved tickets (only admin):      || \n");
    printf("||          3.- To purchase ticket:                          || \n");
    printf("||          4.- To cancel the seat:                          || \n");
    printf("||          5.- Exit system:                                  || \n");
    printf("||===== || \n");
    printf("  Enter your choice: ");
    scanf("%d",&choice);
    return choice;
}
```

Here is the some function's code these are used in main.c file

details :

```
void details(void)
{
    int i;
    char pass[10],pak[10]="pass";
    printf("Enter the password to see details: ");
    scanf("%s",&pass);
    if (strcmp(pass,pak)==0)
    {
        for (i=0;i<count;i++)
        {
            printf("seat no: %d is booked by %s booking id is %d\n",person[i].seat,person[i].name,person[i].id);
        }
    }
    else
        printf("Entered password is wrong \n");
}
```

Here is the some function's code these are used in main.c file

ticket :

```
int ticket(void)
{
    int i;
    system("cls");
    printf("\t\t\twhich BUS you want to Travale?\n");
    printf("\t\t\t-----\n");
    printf("\t\t\tpress 1 for Nirala Super\n\n");
    printf("\t\t\tpress 2 for Drutogami \n\n");
    printf("\t\t\tpress 3 for Binimoy \n");
    scanf("%d",&i);
    system("cls");
    return i;
}
```

cticket:

```
int cticket(void)
{
    int i;
    printf("\t\t\twhich BUS ticket you want to cancel\n");
    printf("\t\t\t-----\n");
    printf("\t\t\tpress 1 Nirala Super\n\n");
    printf("\t\t\tpress 2 for Drutogami\n\n");
    printf("\t\t\tpress 3 for Binimoy\n");
    scanf("%d",&i);
    return i;
}
```

Here is the some function's code these are used in main.c file

cancel:

```
void cancel(int *array)
{
    int Cseat,i,stop;
    printf("Please enter ID number of ticket: ");
    scanf("%d",&Cseat);
    for (i=0;i<300;i++)
    {
        if(Cseat==person[i].id)
        {
            stop=5;
            system("cls");
            printf("%s your seat is %d cancelled",person[i].name,person[i].seat);
            array[person[i].seat]=0;
            i=300;
        }
    }
    if (stop!=5)
        printf("Ticket ID number is incorrect please enter right one to cancel ticket: \n");
}
```

Output :

```
Dhaka To Tangail Ticket Booking System
=====
|| 1.- To edit price of ticket (only admin): ||
|| 2.- To view reserved tickets (only admin): ||
|| 3.- To purchase ticket: ||
|| 4.- To cancel the seat: ||
|| 5.- Exit system: ||
||=====||
Enter your choice:
```

Benefits of our program

It is coded in C
.So, it is more
faster than any
other program .

It has memory
complexity $O(n)$
and time
complexity of
every operation
 $O(1)$.

You can easily
add or remove a
option just by add
or remove a
function.



Limitation

1. This program is created with c so it's don't have a visual user interface.
2. It is created with c so it cannot handle exception easily. So, if you give undefined input it can be crushed.
3. It cannot print a physical copy of ticket.



What will we do for improve?

1. We will convert this project with java and will add graphical user interface and database.
2. We will upload our code at git and open to edit so others can contribute our code and can make it more efficient and bugs free.
3. It will can print a physical copy of ticket.



Conclusions

1. We know the limitation of our project. So, we can improve our project by updating day by day.
2. We have a proper architecture of our program. So, we can convert our program in any language easily.

A piece of white paper is taped to a solid orange background. The paper has a piece of clear adhesive tape at the top center. In the center of the white paper, the words "Thank you" are written in a black, elegant cursive script. The word "Thank" is on the top line and "you" is on the bottom line, with the two words overlapping slightly.

Thank
you