

MOVIE TICKET BOOKING SYSTEM

Project submitted to
the SRM University – AP, Andhra Pradesh
for the partial fulfilment of the requirements to award the degree of
Bachelor of Technology/Master of Technology

In
Computer Science and Engineering
School of Engineering and Sciences

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Certificate

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This is to certify that the work present in this Project entitled “MOVIE TICKET BOOKING SYSTEM” has been carried out by Shaik Abdul **Ashfaq Jani- AP22110011160, Rohan Praneeth Kammula- AP22110011137, Tangudu Sai Sruthi- AP22110011176, Cherukuri Nandita- AP22110011157** under my/our supervision. The work is genuine, original, and suitable for submission to the SRM University – AP for the award of Bachelor of Technology/Master of Technology in the **School of Engineering and Sciences.**

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Abstract:

A movie ticket booking system is a project where the user can utilize the application in a way useful to him/her. The application contains information regarding the theatres and seats available. The user can either create an account and log in or already login into a created account. Using this application, the user can book the available theatre followed by booking seats. At last, the user can view the booking of his ticket.

Introduction:

This code is a basic implementation of a movie ticket booking system in the C programming language. The code contains various functions, each of which performs a specific task. The main function of the code, "main", acts as a starting point for the program and presents the user with two options: either to create a new account or to log in as an existing user. If the user selects the first option, then the "new log" function is called, where the user is prompted to enter their name, email ID, username, and password. This information is then stored in a text file with the name of the user as the file name. If the user selects the second option, then the "old log" function is called, where the user is asked to enter their username and password, which are then compared with the information stored in the user's text file. If the entered details match the stored information, the user is granted access to the system and can either book a ticket or view their existing tickets. The "book tickets" function allows the user to book a ticket, while the "view tickets" function displays the user's ticket information. Overall, the code provides a basic movie ticket booking system that can be used as a starting point for a larger project.

Source code:

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
#include <string.h>
```

```
void bookticket();
```

```
void viewticket();
```

```
void newlog();
```

```
void oldlog();
```

```
void accountcreated();
```

```
void hall();
```

```
struct user {
```

```
    char name[50];
```

```
    char email[50];
```

```
    char username[50];
```

```
    char password[50];
```

```
};
```

```
int cinesquare[6][7],tm;
```

```
int cineprime[6][7];
```

```
char tmp[50],k[50];
```

```
void hall()
```

```
{
```

```
    FILE *fp,*fpp;
```

```
    fp = fopen("theatre1.txt","r");
```

```

fpp = fopen("theatre2.txt","r");
for (int i = 0; i < 7; i++) {
    for (int j = 0; j < 8; j++) {
        fscanf(fp, "%d ", &cineprime[i][j]);
        fscanf(fpp, "%d ", &cinesquare[i][j]);
    }

}

fclose(fp);
fclose(fpp);
}

int main()
{

for(int i=1;i<7;i++){
    for(int j=1;j<8;j++){
        cineprime[i][j]=0;
        cinesquare[i][j]=0;
    }
}

int inp;
start:
printf("-----WELCOME TO MOVIE TICKET BOOKING-----\n");
printf("Please select the option:\n ");
printf("1. For new user\n");

```

```

printf(" 2. For existing user\n");
scanf("%d",&inp);
switch(inp){
    case 1:
        newlog();
        break;
    case 2:
        oldlog();
        break;
    default:
        {
            printf("INVALID INPUT!!!!\n Please enter again.....\n\n\n\n");
            for(int i=0;i<2000000;i++){
                i++;i--;
            }
            goto start;

        }

    }
}

```

```

void newlog()
{
    struct user u1;
    printf("Please enter your name: ");
    scanf("%s",u1.name);
}

```

```
printf("\nPlease enter your email ID: ");
scanf("%s",u1.email);
printf("\nPlease enter user name: ");
scanf("%s",u1.username);
printf("\nPlease input the password: ");
scanf("%s",u1.password);
```

```
FILE *fptr;
char tmp[50];
strcpy(tmp,u1.username);strcat(tmp,".txt");
fptr = fopen(tmp,"w");
fprintf(fptr,"%s",u1.username);
fprintf(fptr,"%s\n",u1.password);
fclose(fptr);
accountcreated();
```

```
}
```

```
void accountcreated(void)
```

```
{
```

```
int i;
```

```
char ch;
```

```
system("cls");
```

```
printf("PLEASE WAIT....\n\nYOUR DATA IS PROCESSING....");
```

```
for (i = 0; i < 200000000; i++) {
```

```
    i++;
```

```
    i--;
```

```
}
```

```
printf("\nACCOUNT CREATED SUCCESSFULLY....");
```

```
oldlog();
```

```
}
```

```
void oldlog(){
```

```
int opt; char car[50];
```

```
FILE *file;
```

```
char nam[50];
```

```
char pass[50];
```

```
printf("\n\n-----WELCOME TO LOGIN PAGE-----\n");
```

```
printf("User Name:\n");
```

```
scanf("%s",nam);
```

```
strcpy(k,nam);
```

```
printf("Password:\n");
```

```
scanf("%s",pass);
```

```
strcpy(tmp,nam);strcat(tmp,".txt");
```

```
file=fopen(tmp,"r");
```

```
fscanf(file,"%s",car);
```

```
strcat(nam,pass);
```

```
fclose(file);
```



```

if (strcmp(nam,car)==0) {
    printf("-----LOGIN SUCCESSFUL-----");
    printf("\nPlease Input an option.....");
    printf("\n1. To Buy Tickets");
    printf("\n2. To View Tickets");
    scanf("%d",&opt);
    switch(opt){
        case 1:
            bookticket();
            break;
        case 2:
            viewticket();
            break;
        default:
            printf("\nInvalid INPUT");
    }
}
else
{
    printf("\nWrong password!!!!");
}

}

```

```

void viewticket()

```

```

{ int val,i=0;

```

```

FILE *fp;

```

```

strcat(k,"1.txt");
fp = fopen(k,"r");
if (fp == NULL)
{
    printf("\n NO DATA FOUND!!!!!!\n");
    exit(0);
}
else{
    printf("The Seats you have booked in the order (row,column) are:");
while (fscanf(fp, "%d", &val) != EOF) {
    if(i%2==0)
        printf("\n");
    printf("%d,",val);
    i++;
}
}
fclose(fp);
}

```

```

void bookticket()
{
    int i,j,r,c,amt;
    hall();
    printf("\nThe Movie available at the time is Bahubali!!!!");
    printf("Please select the theatre.....\n 1.Cine Prime\n2.Cine Square");
    scanf("%d",&tm);
}

```

```

strcat(k,"1.txt");
FILE *film;
film= fopen(k,"w");
switch(tm){
    case 1:
    {
        printf("\nThank You for selecting Cine Prime");
        printf("\nThe available seats are:(1-OCCUPIED   0-EMPTY)\n");
        for(int i=1;i<7;i++){
            for(int j=1;j<8;j++){
                printf("%d ",cineprime[i][j]);
            }
            printf("\n");
        }
        printf("\nPlease enter the number of seats.....");
        tm=0;
        scanf("%d",&tm);
        amt=tm*150;
        int arr[tm*2];
        printf("\nplease enter the seats in the format row,column: ");j=0;
        for(i=0;i<tm;i++){

            scanf("%d,%d",&r,&c);
            if(cineprime[r][c]==0){
                arr[j]=r;
                j++;
                arr[j]=c;
            }
        }
    }
}

```

```

    j++;
    cineprime[r][c]=1;
    r=c=0;
}
else{
    printf("\nThe seat is already booked!!!!\n PLEASE ENTER AGAIN.....");
    i--;
}
}
for(i=0;i<tm*2;i++){
    fprintf(film,"%d ",arr[i]);
}

break;
}
case 2:
{
    printf("\nThank You for selecting Cine Square");
    printf("\nThe available seats are:(1-OCCUPIED  0-EMPTY)\n");
    for(int i=1;i<7;i++){
        for(int j=1;j<8;j++){
            printf("%d ",cinesquare[i][j]);
        }
        printf("\n");
    }
    printf("\nPlease enter the number of seats.....");
    tm=0;

```

```
scanf("%d",&tm);
amt=tm*150;
int arr[tm*2];
printf("\nplease enter the seats in the format row,column: ");j=0;
for(i=0;i<tm;i++){
```

```
    scanf("%d,%d",&r,&c);
```

```
    if(cinesquare[r][c]==0){
```

```
        arr[j]=r;
```

```
        j++;
```

```
        arr[j]=c;
```

```
        j++;
```

```
        cinesquare[r][c]=1;
```

```
        r=c=0;
```

```
    }
```

```
    else{
```

```
        printf("The seat is already booked!!!!\n PLEASE ENTER AGAIN.....");
```

```
        i--;
```

```
    }
```

```
}
```

```
for(i=0;i<tm*2;i++){
```

```
    fprintf(film,"%d ",arr[i]);
```

```
}
```

```
break;
```

```
}
```

```
default:
```

```
printf("\nINVALID ENTRY!!!!!!!!!!!!\n");
```

```
}
```

```
FILE *fp ,*fpp;
```

```
fp = fopen("theatre1.txt","w");
```

```
fpp = fopen("theatre2.txt","w");
```

```
for (int i = 0; i < 7; i++) {
```

```
    for (int j = 0; j < 8; j++) {
```

```
        fprintf(fp, "%d ", cineprime[i][j]);
```

```
        fprintf(fpp, "%d ", cinesquare[i][j]);
```

```
    }
```

```
    fprintf(fp, "\n");
```

```
    fprintf(fpp, "\n");
```

```
}
```

```
fclose(fp);
```

```
fclose(fpp);
```

```
fclose(film);
```

```
}
```

Output:

```
task.c - C Project - Visual Studio Code

a.exe
ashfaq.txt
ashfaq1.txt
task.c
theatre1.txt
theatre2.txt

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL POLYGLOT NOTEBOOK

PLEASE WAIT....

YOUR DATA IS PROCESSING....
ACCOUNT CREATED SUCCESSFULLY....

-----WELCOME TO LOGIN PAGE-----
User Name:
ashfaq
Password:
haha
-----LOGIN SUCCESSFUL-----
Please Input an option.....
1. To Buy Tickets
2. To View Tickets1

The Movie available at the time is Bahubali!!!!Please select the theatre.....
1.Cine Prime
2.Cine Square1

Thank You for selecting Cine Prime
The available seats are:(1-OCCUPIED 0-EMPTY)
1 1 0 0 0 0 0
1 0 1 1 0 0 0
0 0 0 1 1 0 0
1 1 1 0 0 0 0
1 1 0 1 1 1 0
0 1 1 1 0 0 0

Please enter the number of seats.....2

please enter the seats in the format row,column: 1,5
1,1

The seat is already booked!!!!!!
PLEASE ENTER AGAIN.....
```

```
task.c - C Project - Visual Studio Code

a.exe
ashfaq.txt
task.c
theatre1.txt
theatre2.txt

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL POLYGLOT NOTEBOOK

PS C:\Users\ashfa\OneDrive\Desktop\C Project> gcc task.c
PS C:\Users\ashfa\OneDrive\Desktop\C Project> ./a.exe

-----WELCOME TO MOVIE TICKET BOOKING-----
Please select the option:
1. For new user
2. For existing user
1
Please enter your name: ashfaq

Please enter your email ID: ashfaqjani916@gmail.com

Please enter user name: ashfaq

Please input the password: haha
```

task.c - C Project - Visual Studio Code

File Edit Selection View Go Run Terminal Help

task.c

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL POLYGLOT NOTEBOOK

powerShell + -

a.exe

ashfaq.txt

ashfaq1.txt

task.c

theatre1.txt

theatre2.txt

Run Testcases

0 0 0

PS C:\Users\ashfa\OneDrive\Desktop\C Project> ./a.exe

-----WELCOME TO MOVIE TICKET BOOKING-----

Please select the option:

1. For new user

2. For existing user

2

-----WELCOME TO LOGIN PAGE-----

User Name:

ashfaq

Password:

haha

-----LOGIN SUCCESSFUL-----

Please Input an option.....

1. To Buy Tickets

2. To View Tickets2

The Seats you have booked in the order (row,column) are:

1,5,

1,6,

PS C:\Users\ashfa\OneDrive\Desktop\C Project>

Ln 7, Col 15 Spaces: 4 UTF-8 CRLF C Go Live

ENG IN 20:18 08-02-2023

Conclusion:

This code is a movie ticket booking system that has options for a new user to create an account and an existing user to log in and book tickets or view previously booked tickets. The user information is stored in separate text files with the username as the filename. The hall function reads the availability of seats in two theatres and stores them in two arrays. The main function provides options to either log in as an existing user or create a new account. Once logged in, the user can either book tickets or view previously booked tickets. This code has some basic functionality for a movie ticket booking system, however, it has limitations such as not being able to handle multiple users booking tickets at the same time, and limited data validation.