MOVIE TICKET BOOKING SYSTEM

a

Procedural-Oriented Programming through C Course Project Report

in partial fulfilment of the degree

Bachelor of Technology
in
Computer Science & Engineering

By

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the **Procedural Programming through 'C' - Course Project** Report entitled

"MOVIE TICKET BOOKING SYSTEM" is a record of bonafide work carried out by the students

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Computer Science & Engineering by the SR UNIVERSITY, Ananthasagar, Hasanparthy.

Supervisor   **Head of the Department**

ACKNOWLEDGEMENT

DECLARATION

We declare that the course project work entitled **"MOVIE TICKET BOOKING SYSTEM"** recorded in this course project work does not form part of any other project work. We further declare that the course project work report is based on our work carried-out at "SR University, Ananthasagar Mandal, Hanmakonda District – 506 371" in the second year of our B.Tech course.

Date:13-12-2022   Place: SR University

ABSTRACT

The project purpose is to book cinema tickets in online. The Movie Ticket Booking System is an Internet based application that can be accessed throughout the Net and can be accessed by anyone who has a net connection. This application will reserve the tickets. This online ticket reservation system provides a website for a cinema hall where any user of internet can access it. User is required to login to the system and needs a credit card for booking the tickets. Tickets can be collected at the counter and Watching movies with family and friends in theatres is one of the best medium of entertainment after having a hectic schedule. But all this excitement vanishes after standing in hours in long queues to get tickets booked. The website provides complete information regarding currently running movies on all the screens with details of show timings, available seats. Ticket reservations are done using credit card and can be cancelled if needed. Our online tickets reservation system is one of the best opportunities for those who cannot afford enough time to get their tickets reserved standing in long queues. People can book tickets online at any time of day or night. Our reservation system also provides option to cancel the tickets which are reserved previously.

CONTENTS

CHAPTER 1

INTRODUCTION

Movie Ticket booking system:
The main purpose of our online ticket booking system is to provide an alternate and convenient way for a customer to buy cinema tickets. It is an automatic system. After the data has been fed into the database, the
staff does not need to do anything with the order once it is received through the system

Features Lists :
Users Login.
User Register.
Selection of Movie module.
Selection of Movie module.
Selection of show time module.
Selecting Theaters module.
Number of Tickets booking module.
Display booked Tickets with Amount.

An online movie ticketing system is a digital platform that allows customers to access the services of a business, reserve seats and buy tickets. This platform provides details such as what time a movie will be played, what seats are available, movie previews and so much more.

1.1 OBJECTIVE:
Objective Of Movie Ticket Booking System
The main objective of the Movie Ticket Booking System is to manage the details of Seats, Booking, Customer, Payment, Shows. It manages all the information about Seats, Movie, Shows, Seats. The project is totally built at administrative end and thus only the administrator is guaranteed the access.
The purpose of the project is to build an application program to reduce the manual work for managing the Seats, Booking, Movie, Customer. It tracks all the details about the Customer, Payment, Shows.

1.2 Features Of Movie Ticket Booking System are as follows:

- Provides the searching facilities based on various factors. Such as Seats, Customer, Payment, Shows

- The transactions are executed in off-line mode, hence on-line data for Seats, booking capture and modification is not con

- It tracks all the information of Booking, Movie, Payment etc

- Manage the information of Booking

- Shows the information Ind description of the Seats, Customer

- All the fields such as Seats, Customer, Shows are validated and does not take invalid values

- . It generates the report on Seats, booking,movie

- Provide filter reports on Customer, Payment, Shows

- You can easily export PDF for the Seats, Movie, Payment

- Application also provides excel export for Booking, Customer, shows • You can also export the report into csv format for Seats, Booking, Shows

- To Increase efficiency of managing the Seats, Booking

- It deals with monitoring the information and transactions of Payment.

- Manage the information of Seats

- Editing, adding and updating of Records is improved which results in proper resource management of Seats

- Manage the information of Payment

- Integration of all records of Shows.

1.3 SYSTEM DESIGN AND MODULES

In this project we have used structures, if condition, for loop, while loop, str cmp, do-while
condition, switch case.

1.IF condition: Use if to specify a block of code to be executed, if a specified condition is true.

2.For loop: The for statement lets you repeat a statement or compound statement a specified
number of times.

3.While loop: The while statement lets you repeat a statement until a specified expression
becomes false.

4.str cmp: This function takes two strings as arguments and compare these two strings lexicographically.

5.do-while: The do-while statement lets you repeat a statement or compound statement until a
specified expression becomes false.

6.switch case: The condition is represented by a keyword case, followed by the value which
can be a character or an integer.

1.4 MODULE DETAILS

1.Create Function:

In our program this function is used to read number of employees and it will assign
dynamic memory allocation to new node. The address of the employee structure is
passed from this function. Once the details are entered in input function the node will
be arranged according to single linked list.

2.Input Function:
In our project this function is used to read name, designation, work locality, age and
salary of the employee in the employee structure.

3.Display Function: It reads the address of the starting node in which employee details are
arranged and passes it to print function, and loop is set up there and loop continues until
the node->next points to null.

4. Print Function:

The address of starting node will become parameter to this function and it will print the employee details present in that node and it continues till display function stops calling this

function.

5. Search Function

It reads the address of the starting node in which employee details are arranged and passes it to searching function along with the name of the employee to be searched, and loop

is set up there and loop continues until the node->next points to null.

6. Searching Function:

The Parameters received here are address of the node and data to be searched. With the help of string compare function(strcmp) we compare with the data present in the parameter

node and it will print the details of the employee if it is present or else it will return NULL.

7. Del Function:

In this function we will be reading what element to delete and passing it to delete function to check whether the data is present or not. If data is present we will be checking under

what condition the node falls whether it is a starting node, ending node or middle node. Once

condition is checked the node completely will be deleted.

8. Deleting Function:

It checks whether the data to be deleted is present or not. If its present then it will return 1 or else 0.

9. Update Function:

In update function we will be updating the record already existing in a node.

10. Main Function:

Main function consist of switch case for what operation to be selected and it consist of login function so that only admin can login.

THE WAY OF VARIABLES STORING IN NODES

1.5 SOFTWARE DESCRIPTION

- **DEV C++**

Dev-C++ is a free full-featured integrated development environment distributed under the GNU General Public License for programming in C and C++. It is written in Delphi. It is bundled with, and uses, the MinGW or TDM-GCC 64bit port of the GCC as its compiler. Written in: Object Pascal

Developer(s): Bloodshed Software until 2005, Orwell (Johan Mes) since 2011

License: GNU General Public License

Stable release: 5.11 / April 27, 2015; 3 years ago

Operating system: Microsoft Windows, Linux (alpha only)

CHAPTER 2: CODING

Code:

```
#include<stdio.h>
#include<stdlib.h>
#include"moviedetails.c"
#include"decleration.c"
#include<strings.h>
struct moviedetails person[300];
int count=0;
int id2=1000;
int main()
{
        int **seat,choice,price=500,slection,i;
        seat=(int **)calloc(101,sizeof(int *));
        for (i=0;i<3;i++)
                *(seat+i)=(int *)calloc(101,sizeof(int ));
        int x;
        while(x!=5)
        {
                choice=choice1();
                switch(choice)
                {
                        case 1:
                                price=changeprize(price);
                                break;
                        case 2:
                                details();
                                break;
                        case 3:
                                slection=movie();
                                reservation(seat[slection-1],price,slection);count++;
                                break;

                        case 4: slection=cmovie();
                                cancel(seat[slection-1]);
                                break;

                        case 5: x=5;
                                break;
                        default:
```

```c
                                printf("Choice not available\n");
                                break;
                }
        }
}
int changeprize(int prize)
{
        char pass[10],pak[10]="pass";
        printf("Enter the password to change price of ticket: ");
        scanf("%s",&pass);
        if (strcmp(pass,pak)==0)
        {
                printf("Please enter new price: ");scanf("%d",&prize);
                system("PAUSE");
                system("CLS");

        }
        else    printf("The entered password is wrong! ");
        return prize;
}
void reservation(int *array,int price,int slection)
{
                int i,j;
                printf("\n                        SCREEN\n\n\n");
                for (i=1;i<=100;i++)
                {
                        if (array[i]==0)
                                printf("%d\t",i);
                        else
                                printf("*\t",i);
                        if(i%10==0)
                                printf("\n\n");
                }
                printf("Please enter your name: ");
                scanf(" %19[^\n]%*[^\n]",&person[count].name);
                printf("Please enter your phone number: ");
                scanf("%u",&person[count].phone);
                printf("Which seat number you want? ");
                scanf("%d",&j);
                if (j>100||j<1)
                        {
                                printf("seat1 number is unavailable in this theater\n");
                                printf("Please re-enter seat number: ");
                                scanf("%d",&j);
```

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```c
                    }
            if (array[j]==1)
                    {
                            printf("Sorry, this ticket is already booked! Please choose another
seat.\n");
                            scanf("%d",&j);
                    }
            else
                    array[j]=1;
            person[count].seat=j;
            if (slection==1)
                    ticket1(j,person[count].name,id2,price);
            else if (slection==2)
                    ticket2(j,person[count].name,id2,price);
            else
                    ticket3(j,person[count].name,id2,price);
            id2++;
}
int choice1(void)
{
        int choice;
        printf("             Simple Movie 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 puchase 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;
}
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;
```

```c
                                        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");
}
void ticket1(int choice,char name[10],int id2,int price)
{
                system("cls");
                printf("\n\n");
    printf("\t----------------THEATER BOOKING TICKET----------------\n");

printf("\t====================================================================\n");
    printf("\t Booking ID : %d \t\t\tShow Name : Avengers: EndGame\n",id2);
    printf("\t Customer  : %s\n",name);
    printf("\t\t\t                Date     : 29-04-2019\n");
    printf("\t                               Time     : 08:00pm\n");
    printf("\t                               Hall     : 02\n");
    printf("\t                               seats No. : %d \n",choice);
    printf("\t                               price . : %d \n\n",price);
                person[count].id=id2;

printf("\t====================================================================\n");
    return;
}
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
```

```c
                printf("Entered password is wrong \n");
                system("PAUSE");
                system("CLS");

}
int movie(void)
{
        int i;
        system("cls");
        printf("\t\t\twhich movie you want to see?\n");
        printf("\t\t\t_____-\n\n");
        printf("\t\t\tpress 1 for Avengers: EndGame\n\n");
        printf("\t\t\tpress 2 for Captain Marvel\n\n");
        printf("\t\t\tpress 3 for Spider-Man: Far From Home\n");
        scanf("%d",&i);
        system("cls");
        return i;
}
void ticket2(int choice,char name[10],int id2,int price)
{
                system("cls");
                printf("\n\n");
        printf("\t----------------THEATER BOOKING TICKET---------------\n");

printf("\t====================================================================\n");
        printf("\t Booking ID : %d \t\t\tShow Name : Captain Marvel\n",id2);
        printf("\t Customer  : %s\n",name);
        printf("\t\t\t                Date    : 15-04-2019\n");
        printf("\t                                Time    : 09:00pm\n");
        printf("\t                                Hall    : 03\n");
        printf("\t                                seats No. : %d \n",choice);
        printf("\t                                price . : %d \n\n",price);
        person[count].id=id2;

printf("\t====================================================================\n");
        return;
}
int cmovie(void)
{
        int i;
        printf("\t\t\twhich movie ticket you want to cancel\n");
        printf("\t\t\t_____ \n");
        printf("\t\t\tpress 1 for Avengers: EndGame\n\n");
        printf("\t\t\tpress 2 for Captain Marvel\n\n");
        printf("\t\t\tpress 3 for Spider-Man: Far From Home\n");
```
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```c
        scanf("%d",&i);
        return i;
}
void ticket3(int choice,char name[10],int id2,int price)
{
                system("cls");
                printf("\n\n");
        printf("\t----------------THEATER BOOKING TICKET---------------\n");

printf("\t==============================================================\n");
        printf("\t Booking ID : %d \t\t\tShow Name : Spider-Man: Far From Home \n",id2);
        printf("\t Customer  : %s\n",name);
        printf("\t\t\t                  Date     : 5-07-2019\n");
        printf("\t                                 Time     : 10:00pm\n");
        printf("\t                                 Hall     : 04\n");
        printf("\t                                 seats No. : %d \n",choice);
        printf("\t                                 price . : %d \n\n",price);
        person[count].id=id2;

printf("\t==============================================================\n");
        return;
}
```

CHAPTER 3: OUTPUT

1.MAIN MENU:

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

2.PURCHASING OF TICKET:

```
      which movie you want to see?
      -----------------------------

      press 1 for Avengers: EndGame

      press 2 for Captain Marvel

      press 3 for Spider-Man: Far From Home
```

3.ENTERING DETAILS:

```
                            SCREEN

1      2      3      4      5      6      7      8      9      10
11     12     13     14     15     16     17     18     19     20
21     22     23     24     25     26     27     28     29     30
31     32     33     34     35     36     37     38     39     40
41     42     43     44     45     46     47     48     49     50
51     52     53     54     55     56     57     58     59     60
61     62     63     64     65     66     67     68     69     70
71     72     73     74     75     76     77     78     79     80
81     82     83     84     85     86     87     88     89     90
91     92     93     94     95     96     97     98     99     100

Please enter your name: mohith
Please enter your phone number: 143
Which seat number you want? 100
```

4. TICKET REVIEW:

```
-----------------THEATER BOOKING TICKET----------------
===========================================================
  Booking ID : 1000                    Show Name : Avengers: EndGame
  Customer   : mohith
                                        Date     : 29-04-2019
                                        Time     : 08:00pm
                                        Hall     : 02
                                        seats No. : 100
                                        price . : 500


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

5. CANCELLING OF TICKET:

```
mohith your seat is 100 cancelled                 Simple Movie Ticket Booking System
  ===========================================================
||                1- To edit price of ticket (only admin):        ||
||                2- To view reserved tickets (only admin):       ||
||                3- To puchase ticket:                           ||
||                4- To cancel the seat:                          ||
||                5- Exit system:                                 ||
||===========================================================||
  Enter your choice: 1
```

6. MODIFYING THE TICKET PRICE:

```
mohith your seat is 100 cancelled                 Simple Movie Ticket Booking System
  ===========================================================
||                1- To edit price of ticket (only admin):        ||
||                2- To view reserved tickets (only admin):       ||
||                3- To puchase ticket:                           ||
||                4- To cancel the seat:                          ||
||                5- Exit system:                                 ||
||===========================================================||
  Enter your choice: 1
Enter the password to change price of ticket: pass
Please enter new price: 500
```

7. VIEWING RESERVED TICKETS:


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




                Simple Movie Ticket Booking System
   ===============================================================
   ||              1- To edit price of ticket (only admin):          ||
   ||              2- To view reserved tickets (only admin):         ||
   ||              3- To puchase ticket:                             ||
   ||              4- To cancel the seat:                            ||
   ||              5- Exit system:                                   ||
   ||===============================================================||
     Enter your choice: 2
   Enter the password to see details: pass
   seat no: 100 is booked by mohith booking id is 1000
   Press any key to continue . . . |
```

CHAPTER 4: CONCLUSION

The web-based application can help customer to book ticket for movie from any device which is connected to internet, the web-based application will make customers to watch trails, movie rating, and book tickets, pay from their debit cards easily.

This application will keep the record of customers, customer will always be able to book and check new movie trails.

Use of this interface helps customer in having immediate information about running movies and reserve their seat without wasting their precious time. User friendly Interface also for the admin to add and delete movie information.