

Movie ticket Booking Project in C

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About Project

Simple Movie Ticket Booking project is based on the concept of booking movie tickets. There's no login system available for this project, the user can freely use its feature. This mini project contains limited features, but the essential one.

Talking about the features of this Simple project, the user can book movie tickets. For this, the user has to select a movie name, enter customer details such as name and phone number.

Then the user has to enter seat number. After this, the booking is done. The Admin can also change the ticket price and view reservations by entering the admin password.

The last feature of this project is about canceling the tickets which can be done by entering the booking id.

The system does not create an external file to store the user's data permanently. This system is in C Programming Language and different variables, strings have been used for the development of it.

The admin password is : mohan

Features:

1. Booking tickets
2. Cancel tickets
3. Change ticket price
4. View all booking records

OUTPUT SCREENSHOTS

```
Simple Movie 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: |

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

press 1 for 3 Idiots (Engineering Life)

press 2 for Lakshya

press 3 for Story of Mohan: A Engineer Student
|

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: |
```

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: Mohan
Please enter your phone number: 7879664973

-----THEATER BOOKING TICKET-----

=====

Booking ID : 1000

Customer : Mohan

Show Name : Lakshya

Date : 15-04-2019

Time : 09:00pm

Hall : 03

seats No. : 25

price . : 500

=====

Simple Movie 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: 2

Simple Movie 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: 4

```
Simple Movie 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: 4
                which movie ticket you want to cancel
                -----
                press 1 for 3 Idiots (Engineering Life)

                press 2 for Lakshya

                press 3 for Mohan: A Engineer Student
2

Mohan your seat is 25 cancelled
Simple Movie 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:

-----THEATER BOOKING TICKET-----
=====
Booking ID : 1001                      Show Name : Lakshya
Customer  : rohan

Date       : 15-04-2019
Time       : 09:00pm
Hall       : 03
seats No.  : 26
price .    : 100

=====
Simple Movie 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: 
```

PROFILING SCREENSHOT

```
maakali@kali: ~/Downloads
File Actions Edit View Help
GNU nano 7.2 report.txt
[!at profile:

Each sample counts as 0.01 seconds.
no time accumulated

% cumulative self      calls     self       total
time  seconds  seconds    calls  Ts/call   Ts/call   name
0.00    0.00    0.00        2     0.00     0.00  choice1
0.00    0.00    0.00        1     0.00     0.00  movie
0.00    0.00    0.00        1     0.00     0.00  reservation
0.00    0.00    0.00        1     0.00     0.00  ticket1

%
time      the percentage of the total running time of the
          program used by this function.

cumulative a running sum of the number of seconds accounted
seconds    for by this function and those listed above it.

self       the number of seconds accounted for by this
seconds    function alone. This is the major sort for this
          listing.

calls      the number of times this function was invoked, if
          this function is profiled, else blank.

self
ms/call    the average number of milliseconds spent in this
          function per call, if this function is profiled,
          else blank.

total
ms/call    the average number of milliseconds spent in this
          function and its descendents per call, if this
          function is profiled, else blank.

name       the name of the function. This is the minor sort
          for this listing. The index shows the location of
          the function in the gprof listing. If the index is

[ Read 157 lines ]
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo      M-A Set Mark  M-J To Bracket M-Q Previous
^X Exit      ^R Read File  ^N Replace    ^U Paste      ^J Justify    ^_ Go To Line  M-E Redo      M-G Copy      ^Q Where Was  M-W Next
```

DEBUGGING SCREENSHOT

```
maakali@kali: ~/Downloads
File Actions Edit View Help
(maakali@kali)-[~/Downloads]
$ gcc main.c -g -o main

(maakali@kali)-[~/Downloads]
$ gdb ./main
GNU gdb (Debian 13.2-1) 13.2
Copyright (C) 2023 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
Type "show copying" and "show warranty" for details.
This GDB was configured as "i686-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see:
<https://www.gnu.org/software/gdb/bugs/>.
Find the GDB manual and other documentation resources online at:
<http://www.gnu.org/software/gdb/documentation/>.

For help, type "help".
Type "apropos word" to search for commands related to "word" ...
Reading symbols from ./main...
(gdb) list
18  void cancel(int *);
19  void ticket1(int choice, char name[10], int id2, int price);
20  void ticket2(int choice, char name[10], int id2, int price);
21  void ticket3(int choice, char name[10], int id2, int price);
22  int cmovie(void);
23  int movie(void);
24  void details(void);
25
26  struct moviedetails person[300];
27  int count=0;
(gdb) r
Starting program: /home/maakali/Downloads/main
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/i386-linux-gnu/libthread_db.so.1".
Simple Movie 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:                              ||
```