



## Project Report

### On

## Movie Ticket Booking System

Course Code: CSE 1290

Course title: Software Development I (C Programming)

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## Introduction and Motivation

Movie Ticket Management System is a simple console application built in C++ without the use of graphics. This is the basic user interface for ticket managing before going to the actual depart.

This project is created in order to fulfill the gap between the customer and the movie-counter for managing the tickets. This system would play an immense role for better customer satisfaction. It is a very effective and simple understanding of beginners.

Now a days it is very common that peoples of all age groups are enjoying the cinema at the theater. It is our culture going to the theater for enjoying cinema along with the whole family. People want to spend their vacation, off-days and leisure time with their family friends and beloved persons by enjoying the cinema at the theater. No matter what ages they are. Not only the young generation people like to enjoy movies but also the people ages beyond 30 like to watch movies in the theaters. Our country is developing faster. People get engaged with their works more than before. But people also spend their leisure time watching movies in theater. As people get busy with their works, they do not want to waste their valuable time to purchase movie ticket standing in a line. But people in Bangladesh have no easy and flexible access for online ticket

This is a dynamic website where people can find their desired movie list, which theater broadcasts which movies, ticket prices and other related information.

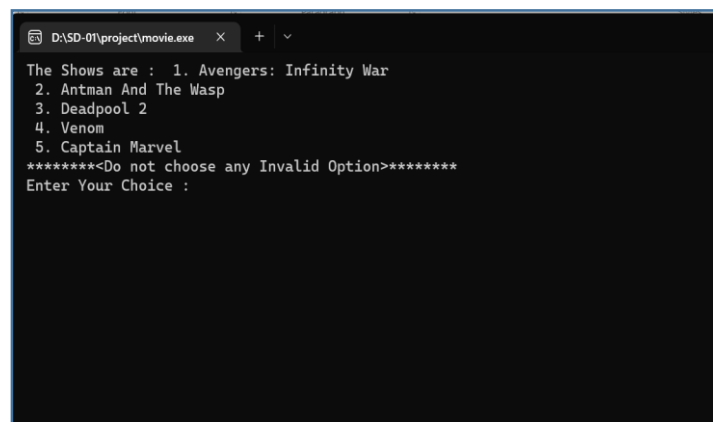
## Features of the project

There are multiple features in this project. Combining all of these features made this project more reliable and easy to use for the beginners.

1. Movie timings
2. Receiving tickets
3. For information
4. DT Card (debit Card) Registration

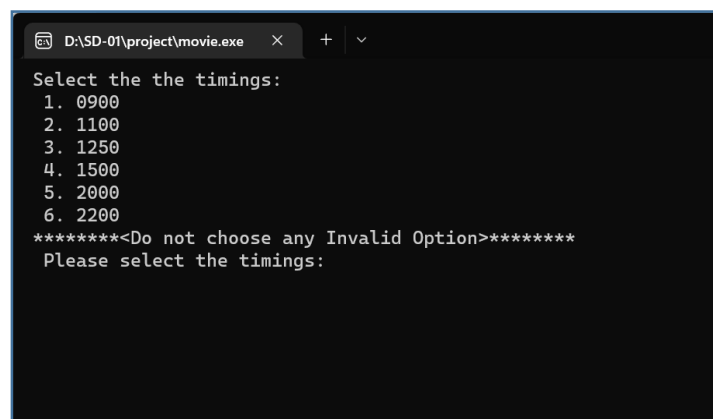
### 1. Movie timings

- By entering this part, user will be able to know about the movies those are available to watch in the theatre.



```
D:\SD-01\project\movie.exe
The Shows are : 1. Avengers: Infinity War
                2. Antman And The Wasp
                3. Deadpool 2
                4. Venom
                5. Captain Marvel
*****Do not choose any Invalid Option*****
Enter Your Choice :
```

- After selecting the movie timings of the show will be given to the user.



```
D:\SD-01\project\movie.exe
Select the the timings:
1. 0900
2. 1100
3. 1250
4. 1500
5. 2000
6. 2200
*****Do not choose any Invalid Option*****
Please select the timings:
```

- When the user select the timings then the details of his/her will be taken (name & number). And system will want to know how many ticket/tickets will be purchased.

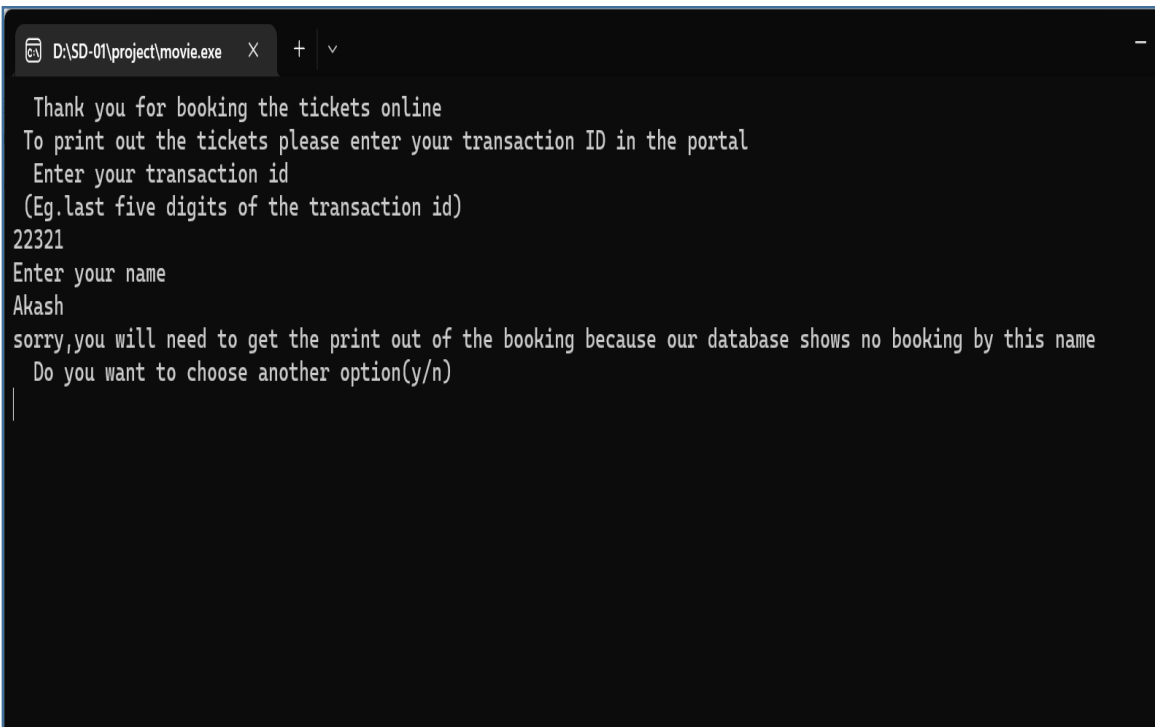
```
D:\SD-01\project\movie.exe X + v
Select the the timings:
1. 0900
2. 1100
3. 1250
4. 1500
5. 2000
6. 2200
*****<Do not choose any Invalid Option>*****
Please select the timings:
3
Enter your name:
Akash
Enter your contact number:
01796223261
Enter the number of tickets you want to purchase:
3
Thank you for selecting the show. Now we request you to select your type of seating 1.Normal Class 0
R 2. Gold Class
```

- After that two types of seating will be given to the user. One is normal class and other is Gold class. After selecting any of the classes this will be moved to the payment procedure. There will also be two types of payment system. First one is using debit card and second option is to use the card & another is through cash. The user will just need to type 'y' for affirmative and 'n' for negative. After confirming the payment procedure the user will be received the ticket with total cost and other information written on it.

```
D:\SD-01\project\movie.exe X + v
Do you have Debit card(y/n):
n
Want to pay by Card(y/n):
n
Paying :1400 Your ticket is here:
Name :Akash
Contact No :01796223261
Show timings :
1300
Do you want to choose another option(y/n)
|
```

## 2. Receiving tickets

- After purchasing the tickets user will be given a transaction ID if he/she paid the money by card. After giving the transaction ID the ticket will be given to the user. Else "Sorry to say that but you will need to get the print out of the booking because our database shows no booking by this name" this message will be shown.



```
D:\SD-01\project\movie.exe X + v
Thank you for booking the tickets online
To print out the tickets please enter your transaction ID in the portal
Enter your transaction id
(Eg.last five digits of the transaction id)
22321
Enter your name
Akash
sorry,you will need to get the print out of the booking because our database shows no booking by this name
Do you want to choose another option(y/n)
|
```

### 3. For information

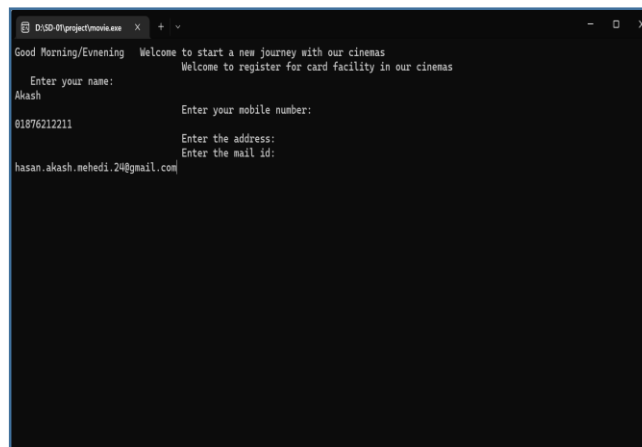
This portion will inform about our Application (from the Google Play Store or from the iOS App Store) or contact us at 01796223261



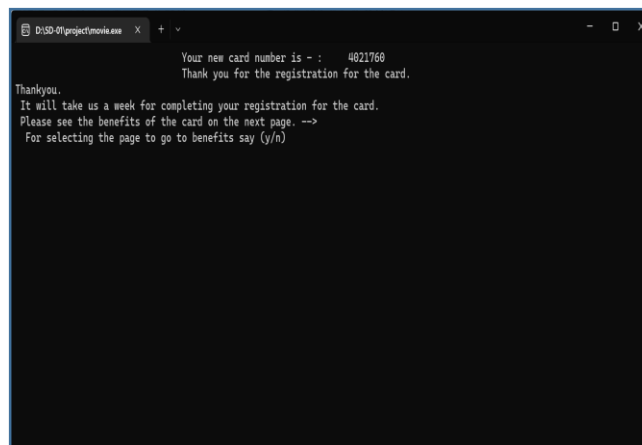
```
D:\SD-01\project\movie.exe X + v
For further information about movies you can download our Application(from the Google Play Store or from the iOS App Store) or contact us at 01796223261
Do you want to choose another option(y/n)
```

#### 4. Card Registration

- In this portion, user will get the opportunity to get a card. This will give an individual ID. By using this card user intend to have some special offers as like-
1. For every purchase of a movie ticket user will get 25 points (1 point = 100BDT.) so after 16 movies he/she gets a free movie ticket."
  2. User will be provided with regular updates regarding the movie and the show timings.
  3. Anytime prebook tickets for the upcoming movie and preferred seats will be provided.



```
D:\SD-07\project\movies>
Good Morning/Evening Welcome to start a new journey with our cinemas
Welcome to register for card facility in our cinemas
Enter your name:
Akash
Enter your mobile number:
01876212211
Enter the address:
hasan.akash.nehedi.24@gmail.com
Enter the mail id:
```



```
D:\SD-07\project\movies>
Your new card number is - : 4821768
Thank you for the registration for the card.
Thankyou.
It will take us a week for completing your registration for the card.
Please see the benefits of the card on the next page. -->
For selecting the page to go to benefits say (y/n)
```



## Challenges of the project

- Creating an uncommon & efficient project which will be easy to use for the beginners.
- To prevent customers from using invalid options
- Creating an individual transaction ID for every card Registration

### Creating an individual ID for every Debit card Registration

We have used rand () function to evaluate this. The rand () function in C++ is used **to generate random numbers**; it will generate the same number every time we run the program. (Within 4000000 bytes)

```
int cardid;
cout<<"\t\t\tWelcome to register for card facility in our cinemas"<<endl;
cout<<"  Enter your name: "<<endl;
cin>>v.name;
cout<<"\t\t\tEnter your mobile number: "<<endl;
cin>>v.cno;
cout<<"\t\t\tEnter the address: "<<endl;
gets(v.address);
cout<<"\t\t\tEnter the mail id: "<<endl;
gets(v.emailid);
system("CLS");
int ID;
srand (time(NULL));
ID = rand() % 4000000 + 4000000;
if (ID<0)
ID=(ID*-1);
cout<<"\t\t\tYour new card number is - : "<<"\t"<<ID<<endl;
fstream fout;
fout.open("card.dat", ios::out|ios::app);
fout<<"  Name : "<<v.name<<"  "<<"  Mobile No. : "<<v.cno<<"  "<<"  Address : "<<v.address<<"  "<<"  Mail ID : "<<v.emailid<<"  "<<"  Card Number: "<<ID;
fout.close();
cout<<"\t\t\tThank you for the registration for the card.  "<<endl;
```

## Future works regarding the project

We will be able to launch an official and more reliable website by this C++ codes with MySQL, JavaScript, HTML and other to develop the front-end and back-end of the project.

