

CHAPTER – 1

INTRODUCTION

This project provide the customers facility to movies tickets booking and also view all the movies playing in cinema hall, through which they can book ticket anytime, anywhere. Movie ticket booking system is basically made for Providing the customer at anytime and anywhere service for booking the seat in the cinema hall and information about the movies . The user can be easily able to know about the movies released and then make the choice. In this project, we will illustrate our system by providing C language .This project uses the concept of File Handling. Admin can check all the transaction It allows users to access their booking history. It allows booking of the ticket at any time without having any maintenance slots.

The movie ticket booking system is a software application designed to facilitate the process of reserving and purchasing movie tickets online. This system aims to provide a convenient and efficient way for users to book their desired movie tickets from the comfort of their homes or any location with an internet connection. The purpose of this project report is to present the development and implementation details of a movie ticket booking system using the C programming language.

1.Background:

The traditional method of purchasing movie tickets involved standing in long queues at cinema halls or relying on booking agents. This process was time-consuming and often resulted in inconvenience for customers. With the advent of technology, online ticket booking systems emerged as a solution to this problem. These systems revolutionized the way movie tickets were purchased, allowing users to choose their preferred seats, view showtimes, and make payments securely from their electronic devices.

2.Expected Outcome:

Upon completion, the movie ticket booking system will provide a reliable and efficient platform for users to book movie tickets. The system will automate the ticket reservation process, eliminate the need for physical queues, and reduce human errors. Users will be able to browse movie listings, select seats, make payments securely, and receive e-tickets.

3.Scope and Limitations:

The scope of this project report is limited to the development of a movie ticket booking system using the C programming language. It does not cover the implementation of a graphical user interface (GUI) but focuses on a text-based interface. Furthermore, the report does not delve into the implementation of the payment gateway but emphasizes the need for a secure transaction system. Additionally, the report assumes that the system will be deployed on a single cinema hall and does not cover multi-hall or multi-location scenarios.

4.Objective:

- 1.To provide another way for the customer to buy cinema ticket, get the information about movies.
- 2.To provide the customer the complete information of the movie, according to which the customer can view all the movies, book the tickets and the view all transactions facility provides more flexibility to the system

CHAPTER – 2

LITERATURE SURVEY

Punyaslok Sarkar: The project objective is to book cinema tickets in online. The website provides complete information regarding currently running movies. 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. 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.[3]

Archit Roy: Due to increase in technology and digitalization online movie system has become much more popular. Instead of wasting time in queues of movie counter, it provides easy and efficient way to book the ticket. It is quite fascination to sit at home browses the movies which have been released, read the review and then book the tickets according to our feasibility. Movie booking system is actually in action for the last 15 years but it gained its popularity after 2004 and its reach increased several folds in the past 6-10 years because of increasing net accessibility.[4]

Andrew Malitchuk: This paper discusses issues related to developing a distributed online booking system. The basic stages of system development and technological principles that can be used for implementation are considered. There are a number of problems that exist in this subject area and the possible ways to solve them. The ways of providing information services individually and the means of marketplace are compared. Possible ways of exposing the principles of marketplace for this subject area are considered. An overview of microservice architecture and ways of its application in queuing networks is provided.[5]

CHAPTER-3

PROBLEM STATEMENT

To create a platform for public to book tickets for movie of any application and by using internet.

CHAPTER – 4

CONTROL FLOW DIAGRAM

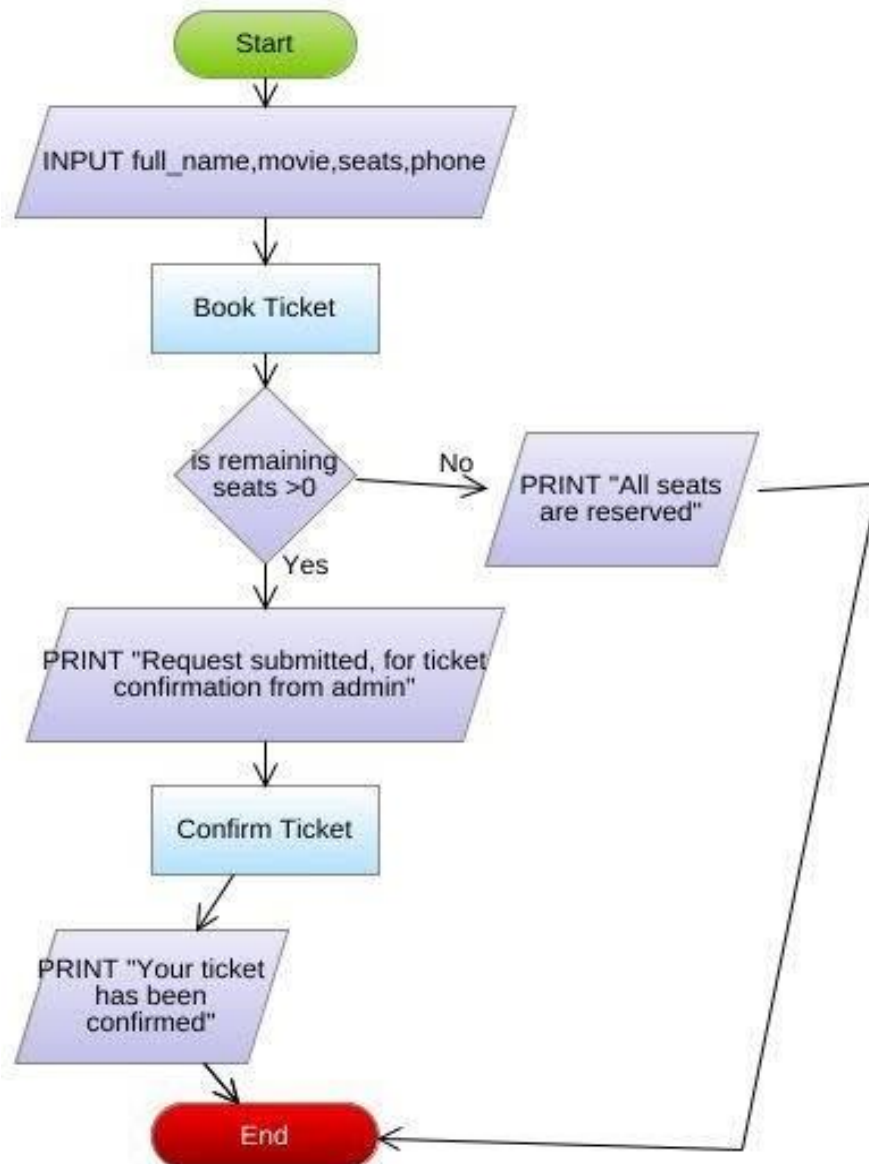
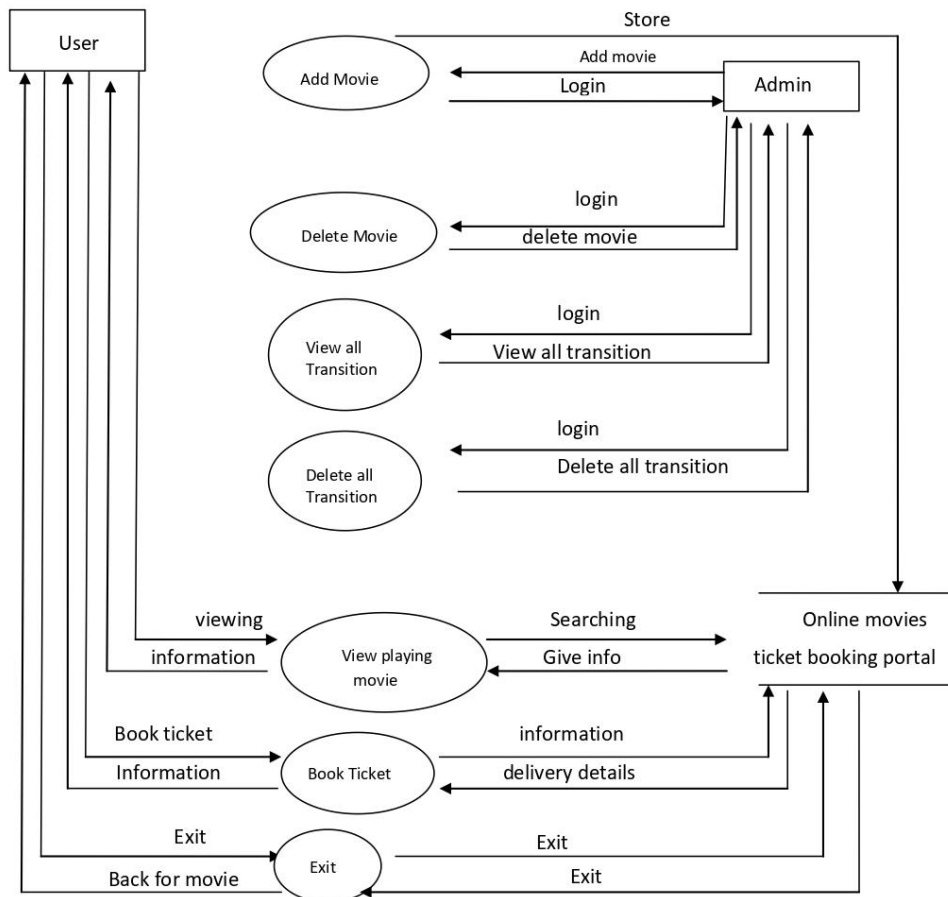


Fig: control flow diagram of Movie ticket booking system

Movie Ticket Booking System DFD



CHAPTER – 5

ALGORITHM / PSUDEO CODE

1.START

2.CHOOSE from :I> Book Ticket

ii>To View Now playing Movies

iii>To Add New Movies

iv>To Delete Now playing Movies

v>To View All Transaction

vi>To Delete All Transaction

vii>Exit

3.If you choose above choice then program move forward else display you choose wrong choice

4.IF CHOOSE==1 THEN

i. Call Book Ticket Function

ii. OPEN movies name, relase date, price per seat(row)

iii.THEN ask to user book ticket or not in terms of (y/n)

If user say=='y'

Then ask to user username, mobile number, which seat wants and how many seat wants after all this generated bill

iv. Else exit

v. END.

5.IF CHOOSE==2

i. CALL view playing movies

ii. Open all the playing movies

6.IF CHOOSE==3

i. CALL Add New movies(Only Admin)

ii. Login for Admin

if(Password==Correct)

a. Then move forward

b. Admin add this information movies name, release date, price row wise

Else

Exit

i. END

7.IF CHOOSE==4

i. CALL Delete playing movies(Only Admin)

ii. Login for Admin

If(Password==Correct)

a. Then move forward

b. Admin can delete information

Else

Exit

iii. END

8. IF CHOOSE == 5 THEN

i. CALL View All the transaction (Only Admin)

ii. Login for Admin

 If (Password == Correct)

 a. Then move forward

 b. Admin can see the transaction information

 Else

 Exit

iii. END

9. IF CHOOSE == 6 THEN

i. CALL Delete All the transaction (Only Admin)

ii. Login for Admin

 If (Password == Correct)

 a. Then move forward

 b. Admin can DELETE the transaction information

 Else

 Exit

iii. END

10. END

CHAPTER – 6

PROJECT REQUIREMENTS

- I. Tool – VS CODE
 - II. Platform – Windows
 - III. Language Used – C Programming
-
- A. Concepts Used
 - 1] Structure
 - 2] File Handling
 - 3] Functions
 - 4] CLI Text color (`system("color 30");`)

CHAPTER – 7

FUNCTIONS AND CONSTRUCTION

File handling function	Uses
fopen ()	fopen () function creates a new file or opens an existing file.
<u>fclose ()</u>	fclose () function closes an opened file.
fread()	fread () function reads the file.
fwrite()	fwrite() fuction use to write the file.
feof ()	feof () function finds end of file.
fseek ()	fseek () function moves file pointer position to given location.
getchar ()	getchar () function reads character from keyboard
printf ()	printf () function writes formatted data to screen.
scanf ()	scanf () function reads formatted data from keyboard.

I. BASIC FILE OPERATIONS IN PROGRAMMING:

1. Opening/Creating a file
2. Closing a file

CHAPTER – 8

MODE OF FILE OPERATION PERFORMED IN C LANGUAGE

1. r+ – Opens a file for read and write mode and sets pointer to the first character in the file.

2. w+ – opens a file for read and write mode and sets pointer to the first character in the file.

3. int main () – ‘int main’ means that our function needs to return some integer at the end of the execution and we do so by returning 0 at the end of the program. 0 is the standard for the “successful execution of the program”.

CHAPTER – 9

INPUT AND OUTPUT

Main Menu

```
=====
Welcome to Moive Ticket Booking System
=====
Press [1] To Book Tickets
-----
Press [2] To View Now Playing Movie
-----
Press [3] To Add New Movie (Admin Only)
-----
Press [4] To Delete Now Playing Movie (Admin Only)
-----
Press [5] To View All Transactions (Admin Only)
-----
Press [6] To Delete All Transactions (Admin Only)
-----
Press [7] To Exit
=====
Please Enter Your Choice::
=====
```

To view all transactions.

To delete all transaction

```
Password matched...
Fetching old transactions...

***Old Ticket Booking Records***
=====
Name Mobile Seats Row Bill Movie Price
=====
Raj Pawar 8754673211 3 4 300 The_kerla_story 100
Om Pawar 9674523421 4 4 400 The_Kerla_Story 100
=====
```

```
6
Enter Password:*****
Password matched...
Deleting old transactions...
Old transactions Deleted Successfully!!!
```

Movie ticket booking System

Book Ticket

```
===== Now Playing =====
Movie Name: The_Kerla_Story
Release Date (DD/MM/YYYY): 12/05/2023
Ticket pricing (per seat):
    Row 1 to 4: 80 Rs.
    Row 5 to 8: 70 Rs.
    Row 9 to 12: 60 Rs.
    Balcony: 100 Rs.
=====
Do you want to Book tickets for above movie?(y/n)
y

***Fill Deatails***
Enter your name (First Name<space>Last Name):Om Pawar

Enter mobile number :9674523421

Select rows:
1.Row 1 to 4: 80 Rs per seat (40 seats available)
2.Row 5 to 8: 70 Rs per seat (40 seats available)
3.Row 9 to 12: 60 Rs per seat (40 seats available)
4.Balcony: 100 Rs per seat (80 seats available)
4

Enter total number of seats:4

Tickets Booked successfully!!!
*** ENJOY MOVIE ***
Generating Bill...

*** Bill ***
=====
Name : Om Pawar
Mobile Number : 9674523421
Movie name : The_Kerla_Story
Row : Balcony
Total seats : 4
Cost per ticket : 100 Rs.
Total Amount : 400 Rs.
=====

Thank You! Visit again!!!
```

To view now playing movie

```
===== Now Playing =====
Movie Name: The_Kerla_Story
Release Date: 12/05/2023
Ticket pricing:
1.Row 1 to 4: 80 Rs per seat (40 seats available)
2.Row 5 to 8: 70 Rs per seat (40 seats available)
3.Row 9 to 12: 60 Rs per seat (40 seats available)
4.Balcony: 100 Rs per seat (80 seats available)
```

To add new movie.

```
Password matched...
Enter Movie name (Use '_' for spaces):- The_Kerla_Story
Enter Release Date(DD/MM/YYYY):- 12/05/2023
Enter Ticket Price for row 1 to 4 (Rs.): - 80
Enter Ticket Price for row 5 to 8 (Rs.): - 70
Enter Ticket Price for row 9 to 12 (Rs.): - 60
Enter Ticket Price for balcony (Rs.): - 100
Adding movie. Please wait...Movie added successfully...
```

To delete now playing movie

```
4
Enter Password:*****
Password matched...

Deleting movie

...
Movie Deleted Successfully!!!
```

CHAPTER – 10

CONCLUSION

This Project allows User a convenient means of booking of a Movie Ticket. Also it gives the Admin complete control over the administration of the system and his business. The modules are designed such a way that admin and user can only access their own operations which provides security.

