



# MINI PROJECT ON MOVIE TICKET RESERVATION

**Submitted to:**

SUNIL SIR.

**Submitted by:**

. NANDINI JAMWAL	2022A6R030
. MANAS VERMA	2022A6R052
. PLAKSHA SHARMA	2022A6R033
. VISHAL	2022A6R051

Department : CSE.(AI-ML)

Section : AI / Sem.: 1st

Project Group : 1st

# Title:

## A Report on mini project on Movie Ticket Reservation Site

### ABSTRACT :

Movies is something that everyone enjoys. A perfect place to hangout and spend leisure time, but to get the "**TICKETS**" of the movie you like is a tedious task. We wanted to design a site that would make it easier.

The program allows users to register for tickets of upcoming movie releases, view showtimes, and purchase tickets through this program. Our teammates discussed about making booking tickets easier and faster just by sitting in comfort of the house without any need to stand in long queues.

However, there are several areas we believe is space for improvement, including the clarity of the registration process, making it available to everyone and the speed of the response time.

To improve the program's functionality and user experience, we recommend implementing clear and concise instructions for the registration process, increasing the movie limit, search functionality and navigation, and optimizing the program's response time. These changes would enhance the overall user experience and make the site more user-friendly.

Overall, the discussion provided valuable insights into how should we enhance the functionality and user experience of a movie ticket registration program, and identifies key areas for improvement that will help to optimize the site's performance and better serve its users

# Introduction:

Movie ticket registration sites have become increasingly popular as a means for users to easily access and purchase movie tickets. These sites allow users to browse upcoming movie releases, view showtimes, and purchase tickets online. While the benefits of such sites are clear, their functionality and user experience can vary greatly.

The purpose of building this program is to try to enhance the functionality and user experience of a movie ticket registration site. The report will provide insights into the strengths and weaknesses of the program we built, as well as recommendations for improving its functionality and user experience.

The report begins with a brief overview of the movie ticket registration program we built and its features.

The movie ticket reservation system is a commonly implemented program, which is used to reserve movie tickets through a digital platform.

The "**C programming language**" is an excellent choice for creating such a system, as it provides a comprehensive range of features that allow developers to build robust and efficient applications. The program can be used to select the city, cinema, movie, screen, and time, as well as choose the preferred seats and pay for the tickets. The program can also display the pricing details of different seat blocks, which is an added feature to give users an idea of the cost of tickets.

# **Main Body:**

## **Overview of the Movie Ticket Reservation Program:**

The movie ticket registration program was built under C programming language, it allows users to register for tickets to upcoming movie releases, view show-times, and purchase tickets online.

The program features a user-friendly interface that allows users to easily search for movies, view showtimes, and purchase tickets.

This program is a command-line application that allows users to book tickets to a movie theater.

The program is written in C and uses various functions to handle different aspects of the booking process.

functions that care about selection of the available cities, theaters, movies, screens, and seats for the user to choose from.

The program uses several user-defined functions to facilitate this process. The "center" function is used to select the theater, "movie" function is used to select the movie, "screen" function is used to select the screen, and "book" function is used to select the seats and complete the booking process.

The program takes input from the user using the scanf function, and it outputs information using the printf function. It also uses the system function to change the color of the console for a more visually appealing user interface.

The very first user defined function of the program is the "place" function, which is responsible for displaying and further proceeding to the other user defined

The program allows the user to book tickets for multiple movies, screens, and seats. It also has error handling in place to prevent the user from making invalid selections or inputting incorrect values.

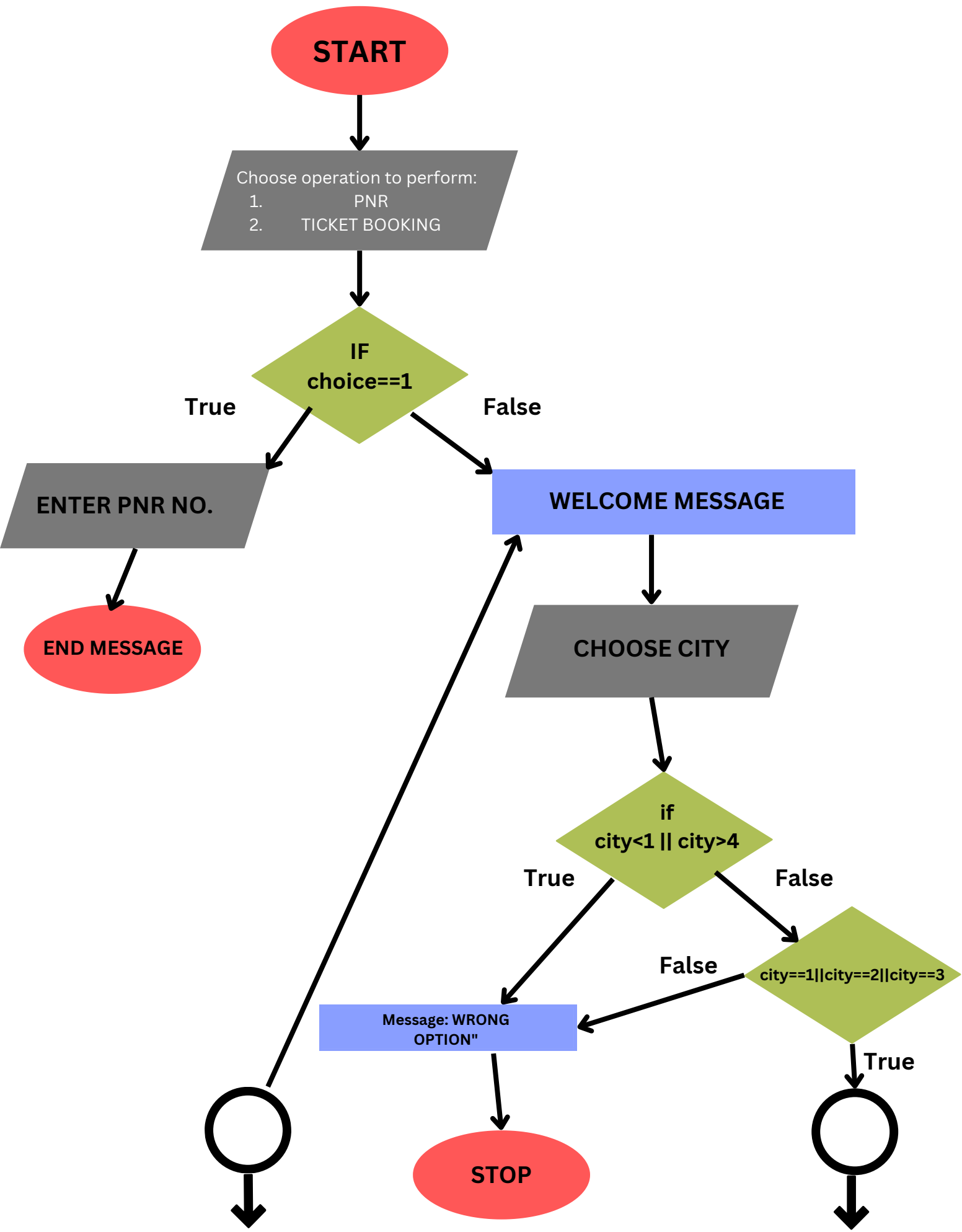
Overall, this program is a simple and user-friendly way for customers to book their movie tickets.

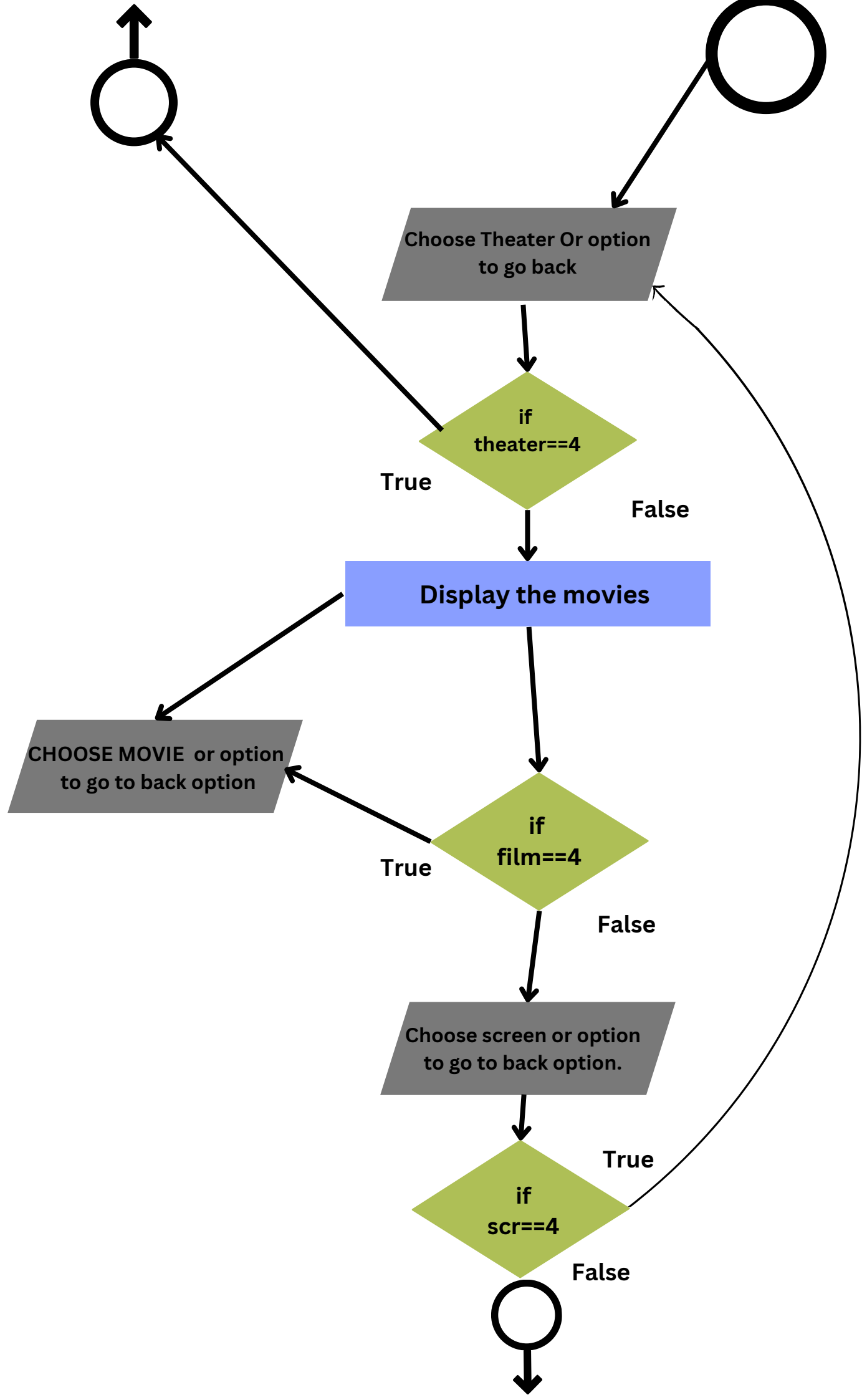


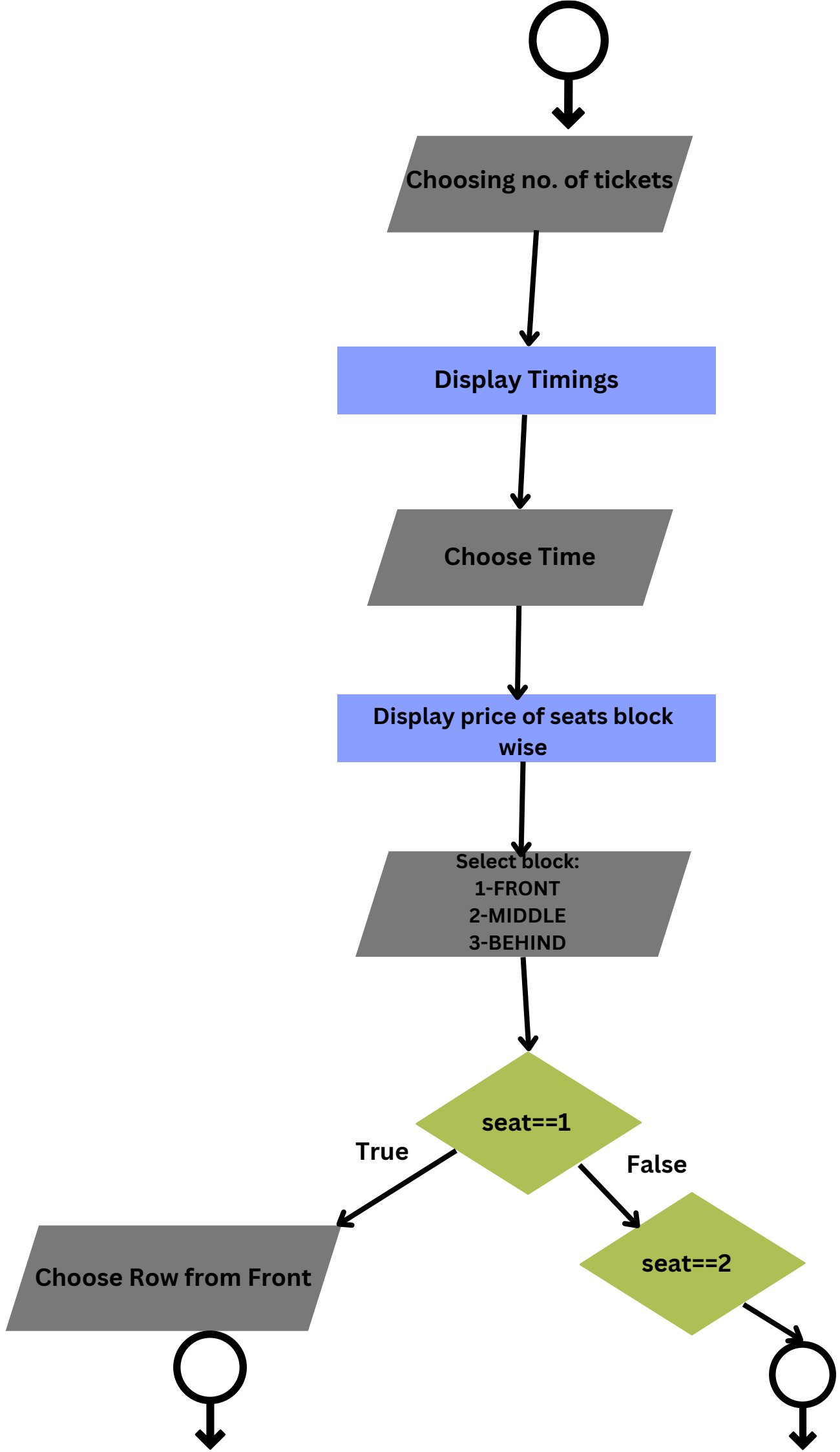
## COMPONENTS:

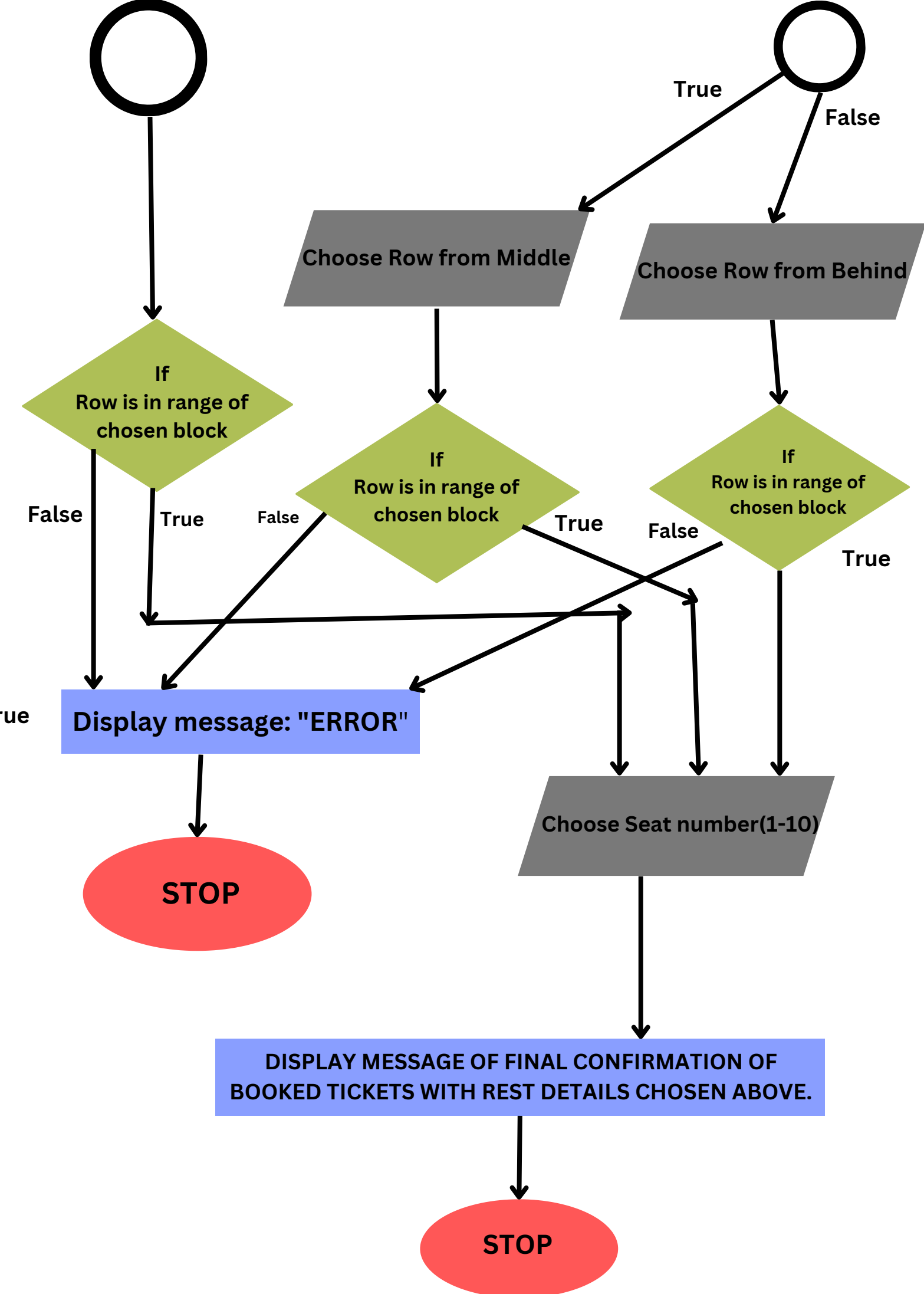
- A laptop or a computer of any kind (windows or MAC) with "codeblocks","VS studio" or any other c running application software.
- Header File : `#include <stdio.h>`.
- Predefined functions and commands such as "if-else","printf","scanf",etc.
- User defined functions such as "void place()","int center()","int film()", etc.
- Derived variable such as `array[time]`.
- Edited font and color changing commands such as `"system("color 1e")"` ,`"system("colour 3f")`,etc.

# FLOWCHART:









# CODE:

```
#include<stdio.h>

void place()
{
int city,theater;
system("color 1e");
printf("\n*==*==*==*==*==*==*==*==*==*==*\n\n");
printf("HELLO! WELCOME TO CINEHUB.\n\n");
printf("Choose your city:\n");
printf("\n#1. Jammu\n#2. Chandigarh\n#3. Delhi\n");
printf("\nCity:\t");
scanf("%d",&city);
if(city>0&&city<5)
{

if(city==1||city==2||city==3)
{
theater=center();
if(theater==1)
printf(" WAVE CINEMAS , ");
if(theater==2)
printf(" PVR:KC , ");
if(theater==3)
printf(" MOVETIME , ");

if(city==1)
printf("JAMMU");
if(city==2)
printf("CHANDIGARH");
if(city==3)
printf("DELHI");
```

```

        printf("\n\n\n\n\n");
printf("\n*****\n\n");
    }
    else
    {
        printf("X WRONG OPTION X");
    }
}
return(0);

}

```

**//USER DEFINED FUNCTION TO SELECT THE THEATER.**

```

int center()
{
int theater;
system ("color 2b");
printf("\n*****\n\n");
printf("Choose the theater\t\n");
printf("\n#1. Wave Cinema\n#2. PVR:KC\n#3. Movietime\n#4. Back\n");
printf("\nTheater:\t");
scanf("%d",&theater);

if(theater==4)
{
    place();
}
else
{
    movie();
}
if (theater==1)
return 1;
if (theater==2)
return 2;
}

```

**// USER DEFINED FUNCTION TO SELECT THE MOVIE.**

```
movie()
{
int film;
system("color 3f");
printf("\n*~*~*~*~*~*~*~*~*~*~*~*~*\n\n");
printf("These are the latest movies in the theater. Choose the movie
you would like to watch:\n");
printf("\n#1. Avatar: The Way of Water\n#2. M3GAN\n#3. The Women
King\n#4. Back\n");
printf("\nFilm:\t");
scanf("%d",&film);

if(film==4)
{
    center();
}
else
{
    screen();
}
}
```

**// USER DEFINED FUNCTION TO SELECT THE SCREEN.**

```
screen()
{
int scr;
system("color 5b");
printf("\n*~*~*~*~*~*~*~*~*~*~*~*~*\n\n");
printf("Choose the Screen:\n");
printf("\n#1. Screen 1\n#2. Screen 2\n#3. Screen 3\n#4. Back\n");
printf("\nScreen:\t");
scanf("%d",&scr);

if(scr==4)
{
    movie();
}
else
```



**//USE TO SELECT TIME OF BOOKING.**

```
{  
    int selected_time,step,i,tickets;  
    char* row,sno[280];  
    char* time[]={"0:\t10.00-1.00","1:\t1.10-4.10","2:\t4.20-  
7.20","3:\t7.30-10.30","4:\t10:45-12:45"};  
    system("color 5e");  
    printf("\n*****\n\n");
```

**// NUMBER OF TICKETS USER WISH TO BOOK.**

```
    system("color 0d");  
    printf("\n\nHow many Tickets you would like to book? :\t");  
    scanf("%d",&tickets);  
    printf("TIMINGS:\n\n");  
    for(int i=0;i<5;i++)  
    {  
        printf("\t%s\n",time[i]);  
    }  
    printf("\n\nKindly select Time:\t");  
    scanf("%d",&selected_time);
```

**// DISPLAYING THE PRICES OF TICKETS ACCORDING TO THE  
DIVISION OF SEATS.**

```
    system("color 6f");  
    printf("\n\nFront block- Rs.180/-\nMiddle block- Rs.220/-  
\nBehind- Rs.380/-\n\n");  
    printf("Select seat block:\n1. Front\n2. Middle\n3. Behind\n");  
    printf("Select:\t");  
    scanf("%d",&step);
```

**//INPUT THE DESIRED SEATS.**

```
if(step==1)  
{  
    printf("Choose Row from (A TO I):\t");  
    scanf("%s",&row);  
    if(65<=row||row<=74)  
    {  
        printf("SELECTED!\n");  
    }  
}
```

```
else
{
    printf("ERROR");
    exit(1);
}
for(i=0;i<tickets;i++)
{
    printf("Choose Seat number: (1-10):\t");
    scanf("%s",&sno[i]);
}
}
else if(step==2)
{
    printf("Choose Row from (J TO R):\t");
    scanf("%s",&row);
    if(75<=row||row<=84)
    {
        printf("SELECTED!\n");
    }
    else
    {
        printf("ERROR");
        exit(1);
    }
    for(i=0;i<tickets;i++)
    {
        printf("Choose Seat number: (1-10):\t");
        scanf("%s",&sno[i]);
    }
}
}
else
{
    printf("Choose Row from (S TO Z):\t");
    scanf("%s",&row);
    if(85<=row||row<=93)
    {
        printf("SELECTED!\n");
    }
}
```

```

else
{
    printf("ERROR");
    exit(1);
}
for(i=0;i<tickets;i++)
{
    printf("Choose Seat number: (1-10):\t");
    scanf("%s",&sno[i]);
}
}
system("color 4e");
printf("\n\n\n");
printf("\n\n\n YOUR TOTAL PAYABLE AMOUT IS:\n");
if(step==1)
{step=180;
step=step*tickets;}
if(step==2)
{step=220;
step=step*tickets;}
if(step==3)
{step=380;
step=step*tickets;}
printf(" %d /- RUPEES",step);
printf("\n\n Ticket(s) has been booked Successfully! \n\n\n Enjoy
your movie at: %s\n SCREEN :%d \n",time[selected_time],scr);
}

}

```

**//USE DRFINED FUNCTION TO SELECT TIME OF BOOKING.**

**//THE MAIN FUNCTION**

```
main()
{
int option,pnr;
system("color 5f");
printf("\t\t*** TICKET BOOKING SYSTEM ***\n\n");
printf("KINDLY CHOOSE:-\n\n1. PNR status\n2. Ticket booking\n\n");
printf("Your Choice:\t");
scanf("%d",&option);
if(option==1)
{
printf("\nEnter your PNR number:\t");
scanf("%d",&pnr);
printf("\nTHANKYOU! YOUR PNR STATUS WILL BE SENT TO THE
REGISTERED MOBILE NUMBER.\n");
}
else
{
place();
}
}
```

# OUTPUT:

```
*** TICKET BOOKING SYSTEM ***
```

```
KINDLY CHOOSE:-
```

1. PNR status
2. Ticket booking

```
Your Choice:
```

```
*****
```

```
HELLO! WELCOME TO CINEHUB.
```

```
Choose your city:
```

- #1. Jammu
- #2. Chandigarh
- #3. Delhi

```
City: 2
```

```
*****
```

```
Choose the theater
```

- #1. Wave Cinema
- #2. PVR:KC
- #3. Movietime
- #4. Back

```
Theater: 
```

```
These are the latest movies in the theater. Choose the movie you would like to watch:
```

- #1. Avatar: The Way of Water
- #2. M3GAN
- #3. The Women King
- #4. Back

```
Film: 1
```

```
*****
```

```
Choose the Screen:
```

- #1. Screen 1
- #2. Screen 2
- #3. Screen 3
- #4. Back

```
Screen: 3_
```

```
How many Tickets you would like to book? :      3
TIMINGS:
0:      10.00-1.00
1:      1.10-4.10
2:      4.20-7.20
3:      7.30-10.30
4:      10:45-12:45
```

Kindly select Time: 4

Front block- Rs.180/-  
Middle block- Rs.220/-  
Behind- Rs.380/-

Select seat block:

1. Front
2. Middle
3. Behind
- Front

Kindly select Time: 4

Front block- Rs.180/-  
Middle block- Rs.220/-  
Behind- Rs.380/-

Select seat block:

1. Front
2. Middle
3. Behind

Select: 3

Choose Row from (S TO Z): x  
SELECTED!

Choose Seat number: (1-10): 3  
Choose Seat number: (1-10): 4  
Choose Seat number: (1-10): 5

YOUR TOTAL PAYABLE AMOUT IS:  
1140 /- RUPEES

Ticket(s) has been booked Successfully!

Enjoy your movie at: 4: 10:45-12:45  
SCREEN :3  
WAVE CINEMAS , CHANDIGARH

\*==\*==\*==\*==\*==\*==\*==\*==\*==\*==\*==\*==\*==\*==\*==\*==\*

# Conclusion:

In conclusion, the movie ticket reservation program under analysis is generally functional and easy to use. However, there are several areas for improvement that were identified through user testing findings. By implementing the recommendations outlined in this report, the site can be optimized to better serve its users, providing detailed movie information and provide a more user-friendly experience. Ultimately, improving the functionality and user experience of the site will increase user satisfaction and drive increased ticket sales.

Regular monitoring and updates will ensure that the site continues to meet the needs of its users and remains a valuable resource for movie ticket purchases. By implementing these changes, the site will be able to attract and retain more users, drive increased ticket sales, and ultimately increase revenue for the business.