

User Manual

Before executing the program, the following must be done:

1. An employee working in the cinema must edit the text file that contains information about the movies that will be shown on that specific day.
2. The file's contents must be entered in the following order: movie title, MTRCB rating, genre, and schedule. There can be a maximum of three movies entered into the file. The movie schedule is also in 24-hour format. The hour must be inputted before the minutes in the text file.

Sample content of the input file:

```
Air 5
PG
Drama
11
00
200

Ride on 5
PG
Action, Comedy
14
00
200

One True Loves 5
PG
Comedy, Drama, Romance
18
00
200
```

To start booking seats:

1. The user must input any key except x or X, to start booking their seats.

Choosing a movie:

1. The user will be able to see information about the available movies that are showing that day.
2. The user must input the number of the movie that corresponds to their chosen movie.
3. In an instance where the user mistakenly inputted a number that was outside the range of movie numbers available. The program will output the sentence "Invalid choice."

Sample output on the screen:

```

      O S 1 A C I N E M A
Title:      [1]           [2]           [3]
Rating:     Air 5        Ride on 5      One True Loves 5
Genre:      PG           PG
Showtime:   Drama       Action, Comedy  Comedy, Drama, Romance
Price:      11:00        14:00          18:00
           200.00        200.00        200.00

Choose a movie to watch (1, 2, 3): 4
Invalid choice.

Do you want to cancel(Y/N)?
```

4. The user will now be given the chance to cancel their input movie number.
5. To book the seats for their preferred movie, the user must input 'y' or "Y."
6. The user will now be able to re-enter their preferred movie number.

Sample output on the screen:

```

      001-A CINEMA

Title:      [1]           [2]           [3]
Rating:     Air 5        Ride on 5      One True Loves 5
Genre:      PG          PG             PG
Showtime:   Drama       Action, Comedy  Comedy, Drama, Romance
Price:      11:00        14:00          18:00
            200.00       200.00         200.00

Choose a movie to watch (1, 2, 3): 1_
```

To choose seats:

1. The user will be given the chance to see the visualization of the seats inside the cinema, including the status of the seats on the screen.

Sample output on the screen:

```

      001-A CINEMA

0 - available.
X - unavailable.

      +-----+
      | SCREEN |
      +-----+

      +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+
      | 01 | | 02 | | 03 | | 04 | | 05 | | 06 | | 07 | | 08 | | 09 | | 10 |
      +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+
      | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 |
      +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+
      | 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 |
      +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+
      | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 |
      +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+
      | 21 | | 22 | | 23 | | 24 | | 25 | | 26 | | 27 | | 28 | | 29 | | 30 |
      +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+
      | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 |
      +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+
      | 31 | | 32 | | 33 | | 34 | | 35 | | 36 | | 37 | | 38 | | 39 | | 40 |
      +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+
      | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 |
      +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+
      | 41 | | 42 | | 43 | | 44 | | 45 | | 46 | | 47 | | 48 | | 49 | | 50 |
      +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+
      | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 |
      +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+ +---+

Enter number of seats you want to booked:
```

2. The user will be prompted to enter the number of seats they want to book.
3. The user must input the number of seats they want to book.
4. The user will be prompted to enter the seat number they want to book.
5. For instance, if the user mistakenly inputs a seat number that is outside the range of the available seats that are displayed on the screen, the program will output "invalid seat number".

Sample output on the screen:

```
Enter number of seats you want to booked: 1
Enter number for seat 1: 51
invalid seat number
Enter number for seat 1:
```

6. The user will be given a chance to re-enter the seat number they prefer to book.

To reserve another seat:

1. The user will be given a chance to enter the seat numbers they have forgotten to include in their previous choice.
2. The program will ask the user if they want to reserve another seat.

Sample output on the screen:

```
Seat was successfully reserved.
Do you want to reserved another seats(Y/N)?
```

3. The user must input 'Y' or 'y' to reserve another seat.

- If the user still wants to reserve another seat, then they will be given the chance to enter the number of seats and the seat number they want to book again.

Sample output on the screen:

```

0 - available.
X - unavailable.

                                SCREEN

01  02  03  04  05  06  07  08  09  10
X   0   0   0   0   0   0   0   0   0
11  12  13  14  15  16  17  18  19  20
0   0   0   0   0   0   0   0   0   0
21  22  23  24  25  26  27  28  29  30
0   0   0   0   0   0   0   0   0   0
31  32  33  34  35  36  37  38  39  40
0   0   0   0   0   0   0   0   0   0
41  42  43  44  45  46  47  48  49  50
0   0   0   0   0   0   0   0   0   0

Enter number of seats you want to booked: 1
Enter number for seat 1: 2

```

- If the user no longer wants to reserve another seat, they will only need to input any key except 'Y' or "y."

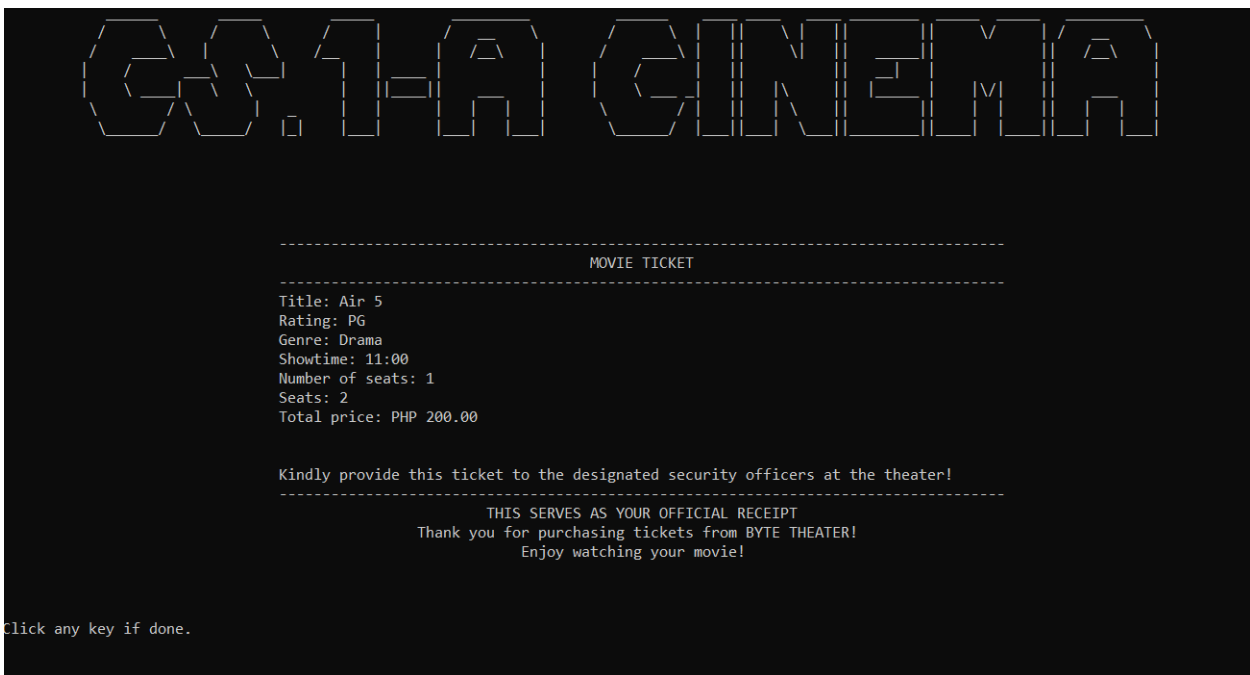
To cancel booked seats:

- The program will ask the user if they want to cancel the seats that they have booked.
- If the user changes their mind, they must input 'Y' or "y."
- Then the user will be given a chance to re-enter the movie number they want, the number of seats they want to book, and the seat number they prefer.
- If the user does not want to cancel, the user must input 'N' or "n."

Confirmation of the purchase:

1. The user will be able to see the receipt that will act as their ticket.
2. The information that will be seen on the receipt are the following:
 - a. Movie title
 - b. Rating
 - c. Genre
 - d. Showtime
 - e. Number of seats
 - f. Seats
 - g. Total price

Sample output on the screen:



3. The user can now click any key after their purchase.

To terminate the program:

1. The person in charge of closing the program is an employee of the cinema.
2. The secret code to close the program is to enter 'X' or "x."
3. If the employee inputs the secret code. The program will ask if it will be ended.
4. The employee must input 'Y' or 'y' to end the program.

Sample output on the screen:

```
Employee input detected
End program?Y/N:
```

Transaction record:

1. The program generates two output files for the employees of the cinema.
2. The content of the first output file is the statistics of the total number of seats and sales that were generated on that day.

Sample content of the output file:

RECORD OF SALES

MOVIE TITLE	Number of Seats	Total Amount
Air 5	05	1000.00
Ride on 5	04	800.00
One True Loves 5	04	800.00

Total Seats: 13

Total Sales: 2600.00

3. The content of the other output file is a compilation of the receipts for each movie.

Sample content of the output files:

MOVIE TICKET

Title: Ride on 5
Rating: PG
Genre: Action, Comedy
Showtime: 14:00
Number of seats: 4
Seats: 24 25 26 27
Total price: PHP 800.00

Kindly provide this ticket to the designated security officers at the theater!

THIS SERVES AS YOUR OFFICIAL RECEIPT
Thank you for purchasing tickets from BYTE THEATER!
Enjoy watching your movie!

MOVIE TICKET

Title: One True Loves 5
Rating: PG
Genre: Comedy, Drama, Romance
Showtime: 18:00
Number of seats: 4
Seats: 44 45 46 47
Total price: PHP 800.00

Kindly provide this ticket to the designated security officers at the theater!

THIS SERVES AS YOUR OFFICIAL RECEIPT
Thank you for purchasing tickets from BYTE THEATER!
Enjoy watching your movie!