

Steps to execute

- Open a terminal on windows and start the executable file.

```
PS C:\Programming\SectionX_OS_LAB_2024_10_Movie_Ticket_System> cd output
PS C:\Programming\SectionX_OS_LAB_2024_10_Movie_Ticket_System\output> .\os_project.exe
```

- You will be greeted with the movie hall selection screen.

```
PS C:\Programming\SectionX_OS_LAB_2024_10_Movie_Ticket_System> cd output
PS C:\Programming\SectionX_OS_LAB_2024_10_Movie_Ticket_System\output> .\os_project.exe

PRESS 1 TO BOOK TICKET IN CARNIVAL ARTI CINEMAHALL, BENACHITY
PRESS 2 TO BOOK TICKET IN SVF CINEMAS, BENACHITY
PRESS 3 TO BOOK TICKET IN CITYCENTRE MOVIEHALL
PRESS 4 TO BOOK TICKET IN CHITRALAYA MOVIE HALL, B-ZONE
TO EXIT PROGRAM PRESS 9

|
```

- Select any movie hall. You will then be asked if you are a manager or not.

```
PS C:\Programming\SectionX_OS_LAB_2024_10_Movie_Ticket_System> cd output
PS C:\Programming\SectionX_OS_LAB_2024_10_Movie_Ticket_System\output> .\os_project.exe

PRESS 1 TO BOOK TICKET IN CARNIVAL ARTI CINEMAHALL, BENACHITY
PRESS 2 TO BOOK TICKET IN SVF CINEMAS, BENACHITY
PRESS 3 TO BOOK TICKET IN CITYCENTRE MOVIEHALL
PRESS 4 TO BOOK TICKET IN CHITRALAYA MOVIE HALL, B-ZONE
TO EXIT PROGRAM PRESS 9

4
CHITRALAYA MOVIE HALL, B-ZONE IS SELECTED

TO ENTER MANAGER LOGIN PRESS 'o' or 'O' ELSE ANY OTHER KEY FOR CUSTOMER BOOKING

|
```

If not a manager:

- You will be asked whether you want to sign up or not.

```
DEAR CUSTOMER TO BOOK SEATS PRESS 'y' or 'Y'
y

IF YOU ARE NEW CUSTOMER PRESS N/n TO SIGNUP
|
```

- On pressing 'N' you are greeted with a signup form.

```
DEAR CUSTOMER TO BOOK SEATS PRESS 'y' or 'Y'
y

IF YOU ARE NEW CUSTOMER PRESS N/n TO SIGNUP
n
ENTER THE FIRST NAME
Raman
ENTER THE LAST NAME
Paul
ENTER THE USER ID
ramanpaul1
ENTER THE USER PASSWORD
123|
```

- You can now select a movie.

```

THE MOVIES RUNNING IN HALL ARE:

MOVIE : 1      JOKER 2
THE TIMINGS OF THE MOVIE : JOKER 2 :-
9:01 AM,11:13 AM,2:08 PM,3:15 PM,4:29 PM,

MOVIE : 2      DEADPOOL & WOLVERINE
THE TIMINGS OF THE MOVIE : DEADPOOL & WOLVERINE :-
9:00 AM,10:00 AM,1:00 PM,5:00 PM,7:20 PM,

MOVIE : 3      THE FALL GUY
THE TIMINGS OF THE MOVIE : THE FALL GUY :-
11:15 AM,1:16 PM,3:15 PM,5:30 PM,9:40 PM,

MOVIE : 4      FURIOSA
THE TIMINGS OF THE MOVIE : FURIOSA :-
6:00 AM,7:00 AM,11:00 AM,9:00 PM,5:00 PM,9:00 PM,

MOVIE : 5      GHOSTED
THE TIMINGS OF THE MOVIE : GHOSTED :-
9:00 AM,10:00 AM,1:00 PM,5:00 PM,7:20 PM.

MOVIE : 6      Blade Runner
THE TIMINGS OF THE MOVIE : Blade Runner :-
1:00,

```

```

MOVIE : 5      GHOSTED
THE TIMINGS OF THE MOVIE : GHOSTED :-
9:00 AM,10:00 AM,1:00 PM,5:00 PM,7:20 PM.

MOVIE : 6      Blade Runner
THE TIMINGS OF THE MOVIE : Blade Runner :-
1:00,

MOVIE : 7

THE TIMINGS OF THE MOVIE :
1:00PM,3:00PM,

ENTER THE MOVIE NUMBER TO BOOK TICKET
4|

```

- After entering the movie number you get to choose the time slot.

```

ENTER THE MOVIE NUMBER TO BOOK TICKET
4

CHOOSE THE NUMBER CORRESPONDING TO TIMING TO BOOK TICKET FOR MOVIE :-
FURIOSA
2|

```

- Then you can see the seat matrix where you have to first enter the number of seats and also the seats that you want to book.

[A1]	[A2]	[A3]	[A4]	[A5]	[A6]	[A7]	[A8]	[A9]	[A10]	[A11]	[A12]	[A13]	[A14]	[A15]	[A16]	[A17]	[A18]
[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]	[B8]	[B9]	[B10]	[B11]	[B12]	[B13]	[B14]	[B15]	[B16]	[B17]	[B18]
[C1]	[C2]	[C3]	[C4]	[C5]	[C6]	[C7]	[C8]	[C9]	[C10]	[C11]	[C12]	[C13]	[C14]	[C15]	[C16]	[C17]	[C18]
[D1]	[D2]	[D3]	[D4]	[D5]	[D6]	[D7]	[D8]	[D9]	[D10]	[D11]	[D12]	[D13]	[D14]	[D15]	[D16]	[D17]	[D18]
[E1]	[E2]	[E3]	[E4]	[E5]	[E6]	[E7]	[E8]	[E9]	[E10]	[E11]	[E12]	[E13]	[E14]	[E15]	[E16]	[E17]	[E18]
[F1]	[F2]	[F3]	[F4]	[F5]	[F6]	[F7]	[F8]	[F9]	[F10]	[F11]	[F12]	[F13]	[F14]	[F15]	[F16]	[F17]	[F18]
[G1]	[G2]	[G3]	[G4]	[G5]	[G6]	[G7]	[G8]	[G9]	[G10]	[G11]	[G12]	[G13]	[G14]	[G15]	[G16]	[G17]	[G18]
[H1]	[H2]	[H3]	[H4]	[H5]	[H6]	[H7]	[H8]	[H9]	[H10]	[H11]	[H12]	[H13]	[H14]	[H15]	[H16]	[H17]	[H18]
[I1]	[I2]	[I3]	[I4]	[I5]	[I6]	[I7]	[I8]	[I9]	[I10]	[I11]	[I12]	[I13]	[I14]	[I15]	[I16]	[I17]	[I18]
[J1]	[J2]	[J3]	[J4]	[J5]	[J6]	[J7]	[J8]	[J9]	[J10]	[J11]	[J12]	[J13]	[J14]	[J15]	[J16]	[J17]	[J18]
[K1]	[K2]	[K3]	[K4]	[K5]	[K6]	[K7]	[K8]	[K9]	[K10]	[K11]	[K12]	[K13]	[K14]	[K15]	[K16]	[K17]	[K18]
[L1]	[L2]	[L3]	[L4]	[L5]	[L6]	[L7]	[L8]	[L9]	[L10]	[L11]	[L12]	[L13]	[L14]	[L15]	[L16]	[L17]	[L18]
[M1]	[M2]	[M3]	[M4]	[M5]	[M6]	[M7]	[M8]	[M9]	[M10]	[M11]	[M12]	[M13]	[M14]	[M15]	[M16]	[M17]	[M18]

[A1]	[A2]	[A3]	[A4]	[A5]	[A6]	[A7]	[A8]	[A9]	[A10]	[A11]	[A12]	[A13]	[A14]	[A15]	[A16]	[A17]	[A18]
[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]	[B8]	[B9]	[B10]	[B11]	[B12]	[B13]	[B14]	[B15]	[B16]	[B17]	[B18]
[C1]	[C2]	[C3]	[C4]	[C5]	[C6]	[C7]	[C8]	[C9]	[C10]	[C11]	[C12]	[C13]	[C14]	[C15]	[C16]	[C17]	[C18]
[D1]	[D2]	[D3]	[D4]	[D5]	[D6]	[D7]	[D8]	[D9]	[D10]	[D11]	[D12]	[D13]	[D14]	[D15]	[D16]	[D17]	[D18]
[E1]	[E2]	[E3]	[E4]	[E5]	[E6]	[E7]	[E8]	[E9]	[E10]	[E11]	[E12]	[E13]	[E14]	[E15]	[E16]	[E17]	[E18]
[F1]	[F2]	[F3]	[F4]	[F5]	[F6]	[F7]	[F8]	[F9]	[F10]	[F11]	[F12]	[F13]	[F14]	[F15]	[F16]	[F17]	[F18]
[G1]	[G2]	[G3]	[G4]	[G5]	[G6]	[G7]	[G8]	[G9]	[G10]	[G11]	[G12]	[G13]	[G14]	[G15]	[G16]	[G17]	[G18]
[H1]	[H2]	[H3]	[H4]	[H5]	[H6]	[H7]	[H8]	[H9]	[H10]	[H11]	[H12]	[H13]	[H14]	[H15]	[H16]	[H17]	[H18]
[I1]	[I2]	[I3]	[I4]	[I5]	[I6]	[I7]	[I8]	[I9]	[I10]	[I11]	[I12]	[I13]	[I14]	[I15]	[I16]	[I17]	[I18]
[J1]	[J2]	[J3]	[J4]	[J5]	[J6]	[J7]	[J8]	[J9]	[J10]	[J11]	[J12]	[J13]	[J14]	[J15]	[J16]	[J17]	[J18]
[K1]	[K2]	[K3]	[K4]	[K5]	[K6]	[K7]	[K8]	[K9]	[K10]	[K11]	[K12]	[K13]	[K14]	[K15]	[K16]	[K17]	[K18]
[L1]	[L2]	[L3]	[L4]	[L5]	[L6]	[L7]	[L8]	[L9]	[L10]	[L11]	[L12]	[L13]	[L14]	[L15]	[L16]	[L17]	[L18]
[M1]	[M2]	[M3]	[M4]	[M5]	[M6]	[M7]	[M8]	[M9]	[M10]	[M11]	[M12]	[M13]	[M14]	[M15]	[M16]	[M17]	[M18]

```
BOOKED SEATS ARE MARKED WITH [x]

THIS IS THE SEAT MATRIX FOR MOVIE: FURIOSA

[ X] [A2] [A3] [A4] [A5]      [A6] [A7] [A8] [A9] [A10] [A11] [A12] [A13]      [A14] [A15] [A16] [A17] [A18]
[B1] [B2] [B3] [B4] [B5]      [B6] [B7] [B8] [B9] [B10] [B11] [B12] [B13]      [B14] [B15] [B16] [B17] [B18]
[C1] [C2] [C3] [C4] [C5]      [C6] [C7] [C8] [C9] [C10] [C11] [C12] [C13]      [C14] [C15] [C16] [C17] [C18]
[D1] [D2] [D3] [D4] [D5]      [D6] [D7] [D8] [D9] [D10] [D11] [D12] [D13]      [D14] [D15] [D16] [D17] [D18]
[E1] [E2] [E3] [E4] [E5]      [E6] [E7] [E8] [E9] [E10] [E11] [E12] [E13]      [E14] [E15] [E16] [E17] [E18]
[F1] [F2] [F3] [F4] [F5]      [F6] [F7] [F8] [F9] [F10] [F11] [F12] [F13]      [F14] [F15] [F16] [F17] [F18]
[G1] [G2] [G3] [G4] [G5]      [G6] [G7] [G8] [G9] [G10] [G11] [G12] [G13]      [G14] [G15] [G16] [G17] [G18]
[H1] [H2] [H3] [H4] [H5]      [H6] [H7] [H8] [H9] [H10] [H11] [H12] [H13]      [H14] [H15] [H16] [H17] [H18]
[I1] [I2] [I3] [I4] [I5]      [I6] [I7] [I8] [I9] [I10] [I11] [I12] [I13]      [I14] [I15] [I16] [I17] [I18]
[J1] [J2] [J3] [J4] [J5]      [J6] [J7] [J8] [J9] [J10] [J11] [J12] [J13]      [J14] [J15] [J16] [J17] [J18]
[K1] [K2] [K3] [K4] [K5]      [K6] [K7] [K8] [K9] [K10] [K11] [K12] [K13]      [K14] [K15] [K16] [K17] [K18]
[L1] [L2] [L3] [L4] [L5]      [L6] [L7] [L8] [L9] [L10] [L11] [L12] [L13]      [L14] [L15] [L16] [L17] [L18]
[M1] [M2] [M3] [M4] [M5]      [M6] [M7] [M8] [M9] [M10] [M11] [M12] [M13]      [M14] [M15] [M16] [M17] [M18]

SCREEN THIS WAY
-----
ENTER THE SEAT NUMBER  A2|
```

- Then the ticket is printed.

```
Dear Customer,
      Congratulation!! Your tickets has been booked.

THE DETAILS:
      MOVIE HALL: CHITRALAYA MOVIE HALL, B-ZONE
      MOVIE NAME: FURIOSA
      SHOW STARTS:7:00 AM
      NUMBER OF TICKETS BOOKED: 2
THE SEAT NUMBERS ARE: A1,A2

PRESS 'C' or 'c' IF U WANT TO BOOK SEAT AGAIN?
```

If you already have an account:

- Instead of sign up form, you will be seeing a sign in form.

```
DEAR CUSTOMER TO BOOK SEATS PRESS 'y' or 'Y'
y

IF YOU ARE NEW CUSTOMER PRESS N/n TO SIGNUP
n

WELCOME EXISTING CUSTOMER!!!

ENTER YOUR USER ID
apaul

USER ID FOUND

ENTER YOUR USER PASSWORD
apaul|
```

- After this the steps are the same as a usual customer booking.

If you are the manager(you can add movies to the halls, manage their timings and edit booked tickets):

- After selecting movie hall and pressing 'o' you will be greeted with the password screen.

```
PRESS 1 TO BOOK TICKET IN CARNIVAL ARTI CINEMAHALL, BENACHITY
PRESS 2 TO BOOK TICKET IN SVF CINEMAS, BENACHITY
PRESS 3 TO BOOK TICKET IN CITYCENTRE MOVIEHALL
PRESS 4 TO BOOK TICKET IN CHITRALAYA MOVIE HALL, B-ZONE
TO EXIT PROGRAM PRESS 9

4
CHITRALAYA MOVIE HALL, B-ZONE IS SELECTED

TO ENTER MANAGER LOGIN PRESS 'o' or 'O' ELSE ANY OTHER KEY FOR CUSTOMER BOOKING
o

ENTER THE MANAGER PASSWORD
112233|
```

- You will see the screen to add a movie.

```
WELCOME MANAGER !

ENTER THE NUMBER MOVIES YOU WANT TO ADD IN THE HALL
1

ENTER THE NAME OF MOVIE 1
XYZ

ENTER THE NUMBER OF SHOWS OF MOVIE: XYZ IN A DAY : 2

ENTER THE SHOW TIMINGS OF THE MOVIE : XYZ
7:00PM
8:00PM|
```

- After this manager can manually edit which seats have been booked.

```

6:00 AM,7:00 AM,11:00 AM,9:00 PM,5:00 PM,9:00 PM,

MOVIE : 5          GHOSTED

THE TIMINGS OF THE MOVIE : GHOSTED :-
9:00 AM,10:00 AM,1:00 PM,5:00 PM,7:20 PM.

MOVIE : 6          Blade Runner

THE TIMINGS OF THE MOVIE : Blade Runner :-
1:00,

MOVIE : 7

THE TIMINGS OF THE MOVIE :

1:00PM,3:00PM,

MOVIE : 8          XYZ

THE TIMINGS OF THE MOVIE : XYZ :-
7:00PM,8:00PM,

ENTER THE SHOW NUMBER WHOSE SEATS U WANT TO ASSIGN FOR BOOKING
5

ENTER THE NUMBER CORRESPONDING TO THE TIME TO BOOK TICKET
1|

```

- Lets say, A6

```

BOOKED SEATS ARE MARKED WITH [x]

THIS IS THE SEAT MATRIX FOR MOVIE: GHOSTED

[A1] [A2] [A3] [A4] [A5]      [A6] [A7] [A8] [A9] [A10] [A11] [A12] [A13]      [A14] [A15] [A16] [A17] [A18]
[B1] [B2] [B3] [B4] [B5]      [B6] [B7] [B8] [B9] [B10] [B11] [B12] [B13]      [B14] [B15] [B16] [B17] [B18]
[C1] [C2] [C3] [C4] [C5]      [C6] [C7] [C8] [C9] [C10] [C11] [C12] [C13]      [C14] [C15] [C16] [C17] [C18]
[D1] [D2] [D3] [D4] [D5]      [D6] [D7] [D8] [D9] [D10] [D11] [D12] [D13]      [D14] [D15] [D16] [D17] [D18]
[E1] [E2] [E3] [E4] [E5]      [E6] [E7] [E8] [E9] [E10] [E11] [E12] [E13]      [E14] [E15] [E16] [E17] [E18]
[F1] [F2] [F3] [F4] [F5]      [F6] [F7] [F8] [F9] [F10] [F11] [F12] [F13]      [F14] [F15] [F16] [F17] [F18]
[G1] [G2] [G3] [G4] [G5]      [G6] [G7] [G8] [G9] [G10] [G11] [G12] [G13]      [G14] [G15] [G16] [G17] [G18]
[H1] [H2] [H3] [H4] [H5]      [H6] [H7] [H8] [H9] [H10] [H11] [H12] [H13]      [H14] [H15] [H16] [H17] [H18]
[I1] [I2] [I3] [I4] [I5]      [I6] [I7] [I8] [I9] [I10] [I11] [I12] [I13]      [I14] [I15] [I16] [I17] [I18]
[J1] [J2] [J3] [J4] [J5]      [J6] [J7] [J8] [J9] [J10] [J11] [J12] [J13]      [J14] [J15] [J16] [J17] [J18]
[K1] [K2] [K3] [K4] [K5]      [K6] [K7] [K8] [K9] [K10] [K11] [K12] [K13]      [K14] [K15] [K16] [K17] [K18]
[L1] [L2] [L3] [L4] [L5]      [L6] [L7] [L8] [L9] [L10] [L11] [L12] [L13]      [L14] [L15] [L16] [L17] [L18]
[M1] [M2] [M3] [M4] [M5]      [M6] [M7] [M8] [M9] [M10] [M11] [M12] [M13]      [M14] [M15] [M16] [M17] [M18]

SCREEN THIS WAY
-----
ENTER THE SEAT NUMBER  A6|

```

BOOKED SEATS ARE MARKED WITH [x]

THIS IS THE SEAT MATRIX FOR MOVIE: GHOSTED

[A1] [A2] [A3] [A4] [A5]	[X] [A7] [A8] [A9] [A10] [A11] [A12] [A13]	[A14] [A15] [A16] [A17] [A18]
[B1] [B2] [B3] [B4] [B5]	[B6] [B7] [B8] [B9] [B10] [B11] [B12] [B13]	[B14] [B15] [B16] [B17] [B18]
[C1] [C2] [C3] [C4] [C5]	[C6] [C7] [C8] [C9] [C10] [C11] [C12] [C13]	[C14] [C15] [C16] [C17] [C18]
[D1] [D2] [D3] [D4] [D5]	[D6] [D7] [D8] [D9] [D10] [D11] [D12] [D13]	[D14] [D15] [D16] [D17] [D18]
[E1] [E2] [E3] [E4] [E5]	[E6] [E7] [E8] [E9] [E10] [E11] [E12] [E13]	[E14] [E15] [E16] [E17] [E18]
[F1] [F2] [F3] [F4] [F5]	[F6] [F7] [F8] [F9] [F10] [F11] [F12] [F13]	[F14] [F15] [F16] [F17] [F18]
[G1] [G2] [G3] [G4] [G5]	[G6] [G7] [G8] [G9] [G10] [G11] [G12] [G13]	[G14] [G15] [G16] [G17] [G18]
[H1] [H2] [H3] [H4] [H5]	[H6] [H7] [H8] [H9] [H10] [H11] [H12] [H13]	[H14] [H15] [H16] [H17] [H18]
[I1] [I2] [I3] [I4] [I5]	[I6] [I7] [I8] [I9] [I10] [I11] [I12] [I13]	[I14] [I15] [I16] [I17] [I18]
[J1] [J2] [J3] [J4] [J5]	[J6] [J7] [J8] [J9] [J10] [J11] [J12] [J13]	[J14] [J15] [J16] [J17] [J18]
[K1] [K2] [K3] [K4] [K5]	[K6] [K7] [K8] [K9] [K10] [K11] [K12] [K13]	[K14] [K15] [K16] [K17] [K18]
[L1] [L2] [L3] [L4] [L5]	[L6] [L7] [L8] [L9] [L10] [L11] [L12] [L13]	[L14] [L15] [L16] [L17] [L18]
[M1] [M2] [M3] [M4] [M5]	[M6] [M7] [M8] [M9] [M10] [M11] [M12] [M13]	[M14] [M15] [M16] [M17] [M18]

SCREEN THIS WAY

PRESS 'C' or 'c' IF U WANT TO CONTINUE ENTERING THE BOOKED SEATS