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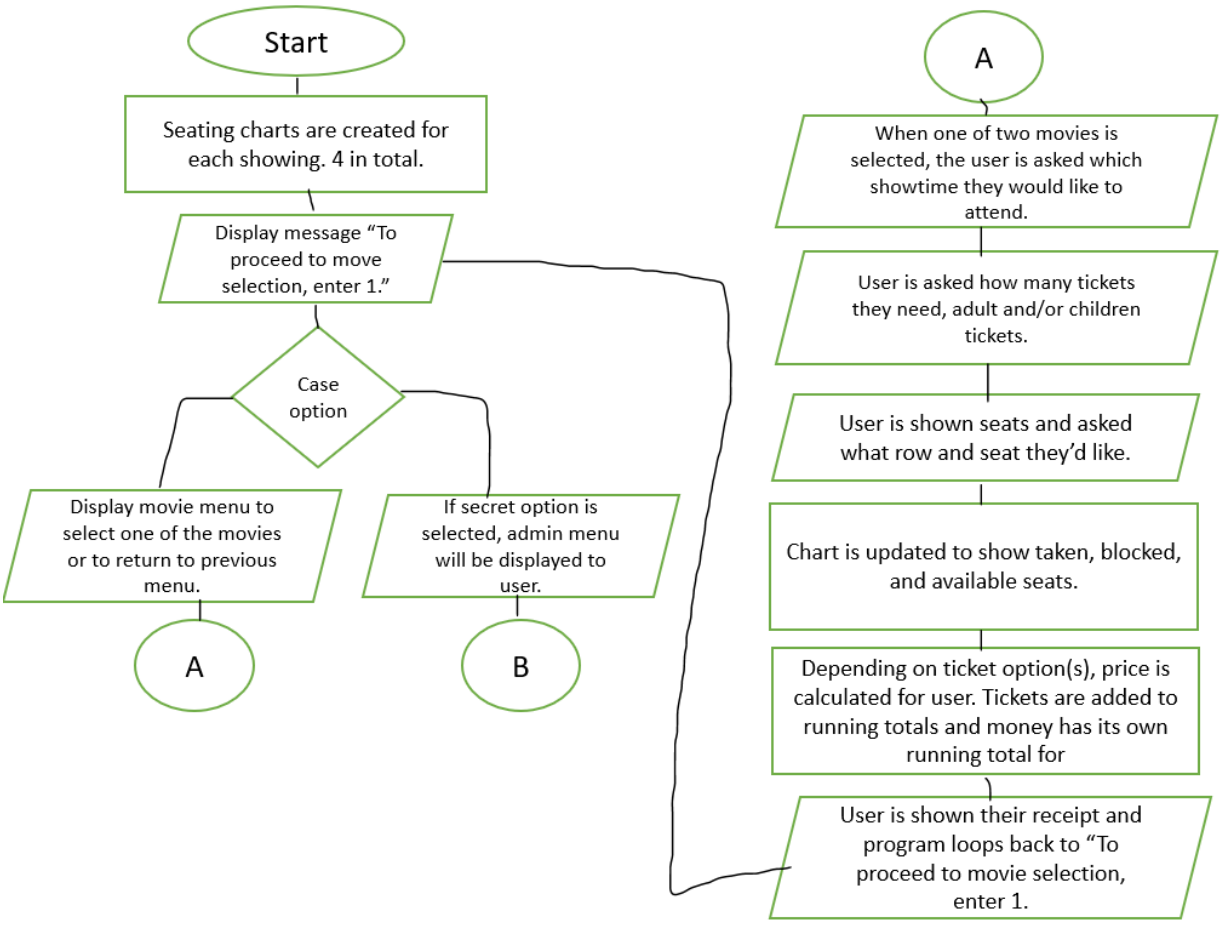
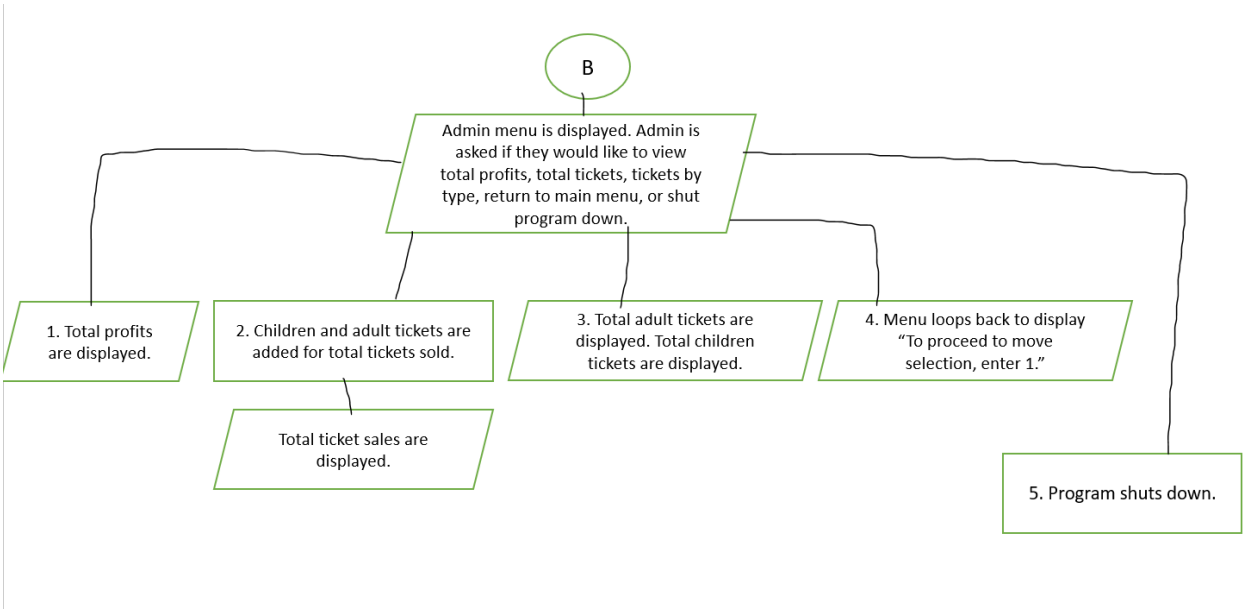
Project 3

Flowchart:





Screenshots:

```
To proceed to movie selection, enter 1.
0
You have entered an invalid response. Please enter 1 to continue: 50
You have entered an invalid response. Please enter 1 to continue: 1
------------------------------------------------------------

               Welcome to Athens State Theater

Adult Tickets: $6.00 matinee (before 6pm) $8.00(evening)
Child Tickets: $4.00 matinee (before 6pm) $6.00(evening)

                    Now Showing
             Free Birds         3:30   6:00
              Bethooven         5:30   7:30
```

```
Enter:
1 for 'Free Birds'
2 for 'Bethooven'
3 for Main Menu
0
You have entered an invalid movie menu option. Please re-enter your choice.
1 for 'Free Birds'
2 for 'Bethooven'
3 for Main Menu
5
You have entered an invalid movie menu option. Please re-enter your choice.
1 for 'Free Birds'
2 for 'Bethooven'
3 for Main Menu
1
                    Free Birds
Enter 1 to buy seats for the 3:30 showing
Enter 2 to buy seats for the 6:00 showing
```

Freebird 1:

```
                    Free Birds
Enter 1 to buy seats for the 3:30 showing
Enter 2 to buy seats for the 6:00 showing
0
You have input an invalid selection. Please enter either 1 for 3:30 or 2 for 6:00:
3

You have input an invalid selection. Please enter either 1 for 3:30 or 2 for 6:00:
1

If you would like to purchase adult tickets select 1
If you would like to purchase child tickets select 2
```

```
If you would like to purchase adult tickets select 1
If you would like to purchase child tickets select 2
0
Invalid menu option. Enter 1 for adult tickets
Enter 2 for child tickets
3
Invalid menu option. Enter 1 for adult tickets
Enter 2 for child tickets
1
Enter the number of Adult Tickets:
```

```
Enter the number of Adult Tickets:
0
Invalid number of tickets. Enter a number greater than zero.
2
Need additional tickets?
Enter 1 for Adult tickets
Enter 2 for Child tickets
Enter 3 to continue to seat selection
```

```
Need additional tickets?
Enter 1 for Adult tickets
Enter 2 for Child tickets
Enter 3 to continue to seat selection
0
You have entered an invalid selection. Please input a valid selection (1-3): 4

You have entered an invalid selection. Please input a valid selection (1-3):
```

```
-------------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
-------------------------------------
Row 1 | * | * | * | * | * | * | * | * |
-------------------------------------
Row 2 | * | * | * | * | * | * | * | * |
-------------------------------------
Row 3 | * | * | * | * | * | * | * | * |
-------------------------------------
Row 4 | * | * | * | * | * | * | * | * |
-------------------------------------
Row 5 | * | * | * | * | * | * | * | * |
-------------------------------------
Row 6 | * | * | * | * | * | * | * | * |
-------------------------------------
Row 7 | * | * | * | * | * | * | * | * |
-------------------------------------
```

```
Enter the row you would like to sit in:
1
Enter the seat number:
2
Enter the row you would like to sit in:
1
Enter the seat number:
2
You have selected an unavailable seat. This seat is either blocked due to Covid Restrictions
shown by X or already taken shown by #.
Please enter a different row and seat number.
Row number: 1
Seat number: 3

-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $12.00 (tax included)
-----------------------------------------
```

```
---------------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
---------------------------------------
Row 1 | X | # | # | X | * | * | * | * |
---------------------------------------
Row 2 | * | X | X | * | * | * | * | * |
---------------------------------------
Row 3 | * | * | * | * | * | * | * | * |
---------------------------------------
Row 4 | * | * | * | * | * | * | * | * |
---------------------------------------
Row 5 | * | * | * | * | * | * | * | * |
---------------------------------------
Row 6 | * | * | * | * | * | * | * | * |
---------------------------------------
Row 7 | * | * | * | * | * | * | * | * |
---------------------------------------

To proceed to movie selection, enter 1.
```

```
----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $10.00 (tax included)
----------------------------------------

-----------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
-----------------------------------
Row 1 | X | # | # | X | # | # | X | * |
-----------------------------------
Row 2 | * | X | X | * | X | X | * | * |
-----------------------------------
Row 3 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 4 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 5 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 6 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 7 | * | * | * | * | * | * | * | * |
-----------------------------------
```

```
----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $14.00 (tax included)
----------------------------------------

-----------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
-----------------------------------
Row 1 | X | # | # | X | # | # | X | * |
-----------------------------------
Row 2 | X | X | X | * | X | X | * | X |
-----------------------------------
Row 3 | # | # | # | X | * | * | * | * |
-----------------------------------
Row 4 | X | X | X | * | * | * | * | * |
-----------------------------------
Row 5 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 6 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 7 | * | * | * | * | * | * | * | * |
-----------------------------------
```

```
-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $16.00 (tax included)
-----------------------------------------

---------------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
---------------------------------------
Row 1 | X | # | # | X | # | # | X | * |
---------------------------------------
Row 2 | X | X | X | * | X | X | X | X |
---------------------------------------
Row 3 | # | # | # | X | X | # | # | # |
---------------------------------------
Row 4 | X | X | X | * | * | X | X | X |
---------------------------------------
Row 5 | * | * | * | * | * | * | * | * |
---------------------------------------
Row 6 | * | * | * | * | * | * | * | * |
---------------------------------------
Row 7 | * | * | * | * | * | * | * | * |
---------------------------------------
```

```
-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $10.00 (tax included)
-----------------------------------------

---------------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
---------------------------------------
Row 1 | X | # | # | X | # | # | X | * |
---------------------------------------
Row 2 | X | X | X | * | X | X | X | X |
---------------------------------------
Row 3 | # | # | # | X | X | # | # | # |
---------------------------------------
Row 4 | X | X | X | * | * | X | X | X |
---------------------------------------
Row 5 | X | X | * | X | X | # | # | X |
---------------------------------------
Row 6 | # | # | X | # | # | X | X | * |
---------------------------------------
Row 7 | X | X | * | X | X | * | * | * |
---------------------------------------
```

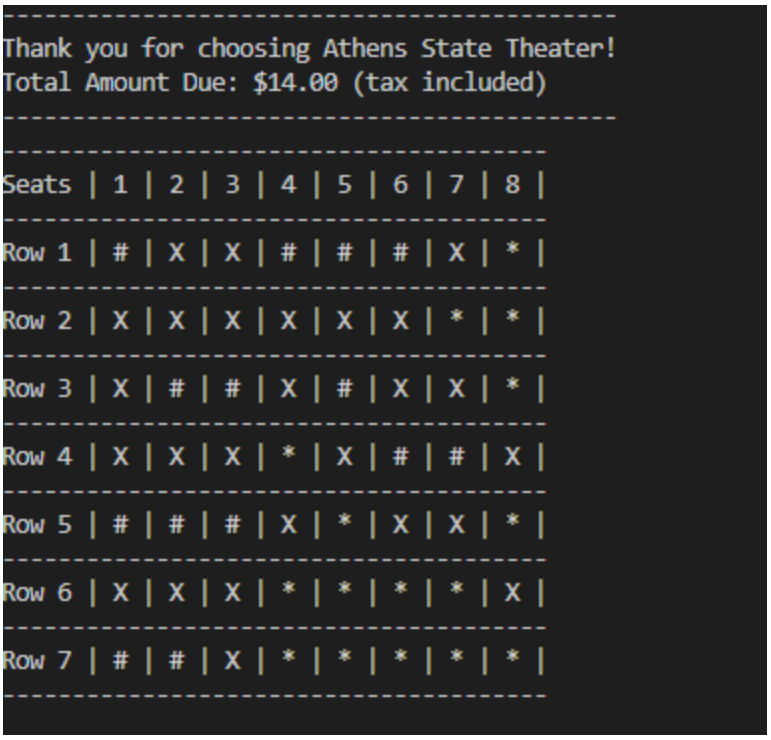
FreeBird 2:

```
-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $8.00 (tax included)
-----------------------------------------
-----------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
-----------------------------------
Row 1 | # | X | * | * | * | * | * | * |
-----------------------------------
Row 2 | X | * | * | * | * | * | * | * |
-----------------------------------
Row 3 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 4 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 5 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 6 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 7 | * | * | * | * | * | * | * | * |
-----------------------------------
```

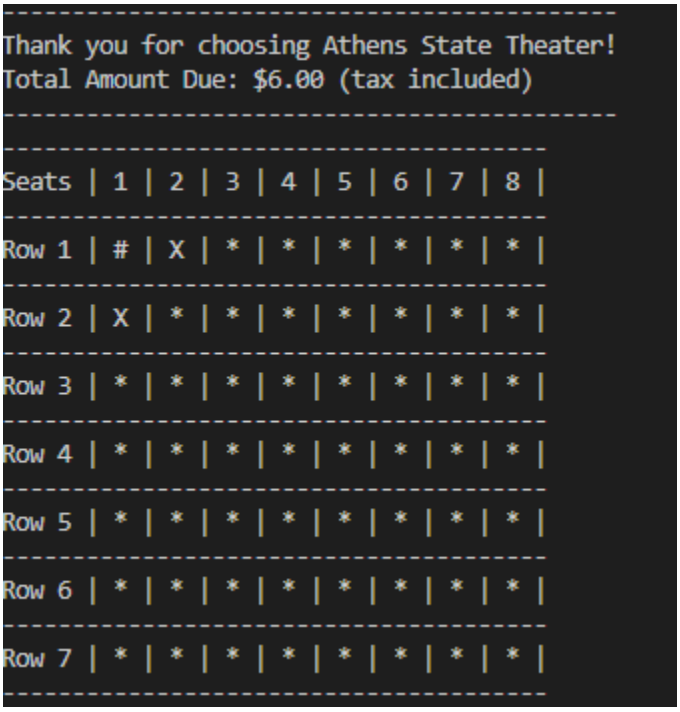
```
-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $20.00 (tax included)
-----------------------------------------
-----------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
-----------------------------------
Row 1 | # | X | X | # | # | # | X | * |
-----------------------------------
Row 2 | X | * | * | X | X | X | * | * |
-----------------------------------
Row 3 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 4 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 5 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 6 | * | * | * | * | * | * | * | * |
-----------------------------------
Row 7 | * | * | * | * | * | * | * | * |
-----------------------------------
```

```
-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $14.00 (tax included)
-----------------------------------------
-------------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
-------------------------------------
Row 1 | # | X | X | # | # | # | X | * |
-------------------------------------
Row 2 | X | X | X | X | X | X | * | * |
-------------------------------------
Row 3 | X | # | # | X | # | X | X | * |
-------------------------------------
Row 4 | * | X | X | * | X | # | # | X |
-------------------------------------
Row 5 | * | * | * | * | * | X | X | * |
-------------------------------------
Row 6 | * | * | * | * | * | * | * | * |
-------------------------------------
Row 7 | * | * | * | * | * | * | * | * |
-------------------------------------
```

```
-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $20.00 (tax included)
-----------------------------------------
-------------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
-------------------------------------
Row 1 | # | X | X | # | # | # | X | * |
-------------------------------------
Row 2 | X | X | X | X | X | X | * | * |
-------------------------------------
Row 3 | X | # | # | X | # | X | X | * |
-------------------------------------
Row 4 | X | X | X | * | X | # | # | X |
-------------------------------------
Row 5 | # | # | # | X | * | X | X | * |
-------------------------------------
Row 6 | X | X | X | * | * | * | * | * |
-------------------------------------
Row 7 | * | * | * | * | * | * | * | * |
-------------------------------------
```


Thank you for choosing Athens State Theater!
Total Amount Due: $14.00 (tax included)
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
Row 1 | # | X | X | # | # | # | X | * |
Row 2 | X | X | X | X | X | X | * | * |
Row 3 | X | # | # | X | # | X | X | * |
Row 4 | X | X | X | * | X | # | # | X |
Row 5 | # | # | # | X | * | X | X | * |
Row 6 | X | X | X | * | * | * | * | X |
Row 7 | # | # | X | * | * | * | * | * |

Beethoven 1:


Thank you for choosing Athens State Theater!
Total Amount Due: $6.00 (tax included)
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
Row 1 | # | X | * | * | * | * | * | * |
Row 2 | X | * | * | * | * | * | * | * |
Row 3 | * | * | * | * | * | * | * | * |
Row 4 | * | * | * | * | * | * | * | * |
Row 5 | * | * | * | * | * | * | * | * |
Row 6 | * | * | * | * | * | * | * | * |
Row 7 | * | * | * | * | * | * | * | * |

```
Thank you for choosing Athens State Theater!
Total Amount Due: $8.00 (tax included)
-----------------------------------------
---------------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
---------------------------------------
Row 1 | # | X | X | # | # | X | * | * |
---------------------------------------
Row 2 | X | * | * | X | X | * | * | * |
---------------------------------------
Row 3 | * | * | * | * | * | * | * | * |
---------------------------------------
Row 4 | * | * | * | * | * | * | * | * |
---------------------------------------
Row 5 | * | * | * | * | * | * | * | * |
---------------------------------------
Row 6 | * | * | * | * | * | * | * | * |
---------------------------------------
Row 7 | * | * | * | * | * | * | * | * |
---------------------------------------
```

```
-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $16.00 (tax included)
-----------------------------------------
---------------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
---------------------------------------
Row 1 | # | X | X | # | # | X | * | * |
---------------------------------------
Row 2 | X | X | X | X | X | * | * | * |
---------------------------------------
Row 3 | X | # | # | # | X | * | * | * |
---------------------------------------
Row 4 | * | X | X | X | * | * | * | * |
---------------------------------------
Row 5 | * | * | * | * | * | * | * | * |
---------------------------------------
Row 6 | * | * | * | * | * | * | * | * |
---------------------------------------
Row 7 | * | * | * | * | * | * | * | * |
---------------------------------------
```

```
----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $12.00 (tax included)
----------------------------------------
---------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
---------------------------------
Row 1 | # | X | X | # | # | X | * | * |
---------------------------------
Row 2 | X | X | X | X | X | * | * | * |
---------------------------------
Row 3 | X | # | # | # | X | * | * | * |
---------------------------------
Row 4 | * | X | X | X | * | X | X | X |
---------------------------------
Row 5 | * | * | * | * | X | # | # | # |
---------------------------------
Row 6 | X | * | * | * | * | X | X | X |
---------------------------------
Row 7 | * | * | * | * | * | * | * | * |
---------------------------------
```

```
----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $20.00 (tax included)
----------------------------------------
---------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
---------------------------------
Row 1 | # | X | X | # | # | X | * | * |
---------------------------------
Row 2 | X | X | X | X | X | * | * | * |
---------------------------------
Row 3 | X | # | # | # | X | * | * | * |
---------------------------------
Row 4 | * | X | X | X | * | X | X | X |
---------------------------------
Row 5 | * | * | * | * | X | # | # | # |
---------------------------------
Row 6 | X | X | X | X | X | X | X | X |
---------------------------------
Row 7 | X | # | # | # | # | X | * | * |
---------------------------------
```

Beethoven 2:

```
-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $24.00 (tax included)
-----------------------------------------
---------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
---------------------------------
Row 1 | * | * | X | X | X | X | * | * |
---------------------------------
Row 2 | * | X | # | # | # | # | X | * |
---------------------------------
Row 3 | * | * | X | X | X | X | * | * |
---------------------------------
Row 4 | * | * | * | * | * | * | * | * |
---------------------------------
Row 5 | * | * | * | * | * | * | * | * |
---------------------------------
Row 6 | * | * | * | * | * | * | * | * |
---------------------------------
Row 7 | * | * | * | * | * | * | * | * |
---------------------------------
```

```
-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $16.00 (tax included)
-----------------------------------------
---------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
---------------------------------
Row 1 | # | # | X | X | X | X | * | * |
---------------------------------
Row 2 | X | X | # | # | # | # | X | * |
---------------------------------
Row 3 | * | * | X | X | X | X | * | * |
---------------------------------
Row 4 | * | * | * | * | * | * | * | * |
---------------------------------
Row 5 | * | * | * | * | * | * | * | * |
---------------------------------
Row 6 | * | * | * | * | * | * | * | * |
---------------------------------
Row 7 | * | * | * | * | * | * | * | * |
---------------------------------
```

```
-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $20.00 (tax included)
-----------------------------------------
-------------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
-------------------------------------
Row 1 | # | # | X | X | X | X | * | * |
-------------------------------------
Row 2 | X | X | # | # | # | # | X | * |
-------------------------------------
Row 3 | * | * | X | X | X | X | X | * |
-------------------------------------
Row 4 | * | * | * | X | # | # | # | X |
-------------------------------------
Row 5 | * | * | * | * | X | X | X | * |
-------------------------------------
Row 6 | * | * | * | * | * | * | * | * |
-------------------------------------
Row 7 | * | * | * | * | * | * | * | * |
-------------------------------------
```

```
-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $28.00 (tax included)
-----------------------------------------
-------------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
-------------------------------------
Row 1 | # | # | X | X | X | X | * | * |
-------------------------------------
Row 2 | X | X | # | # | # | # | X | * |
-------------------------------------
Row 3 | * | * | X | X | X | X | X | * |
-------------------------------------
Row 4 | * | * | * | X | # | # | # | X |
-------------------------------------
Row 5 | * | X | X | X | X | X | X | * |
-------------------------------------
Row 6 | X | # | # | # | # | X | * | * |
-------------------------------------
Row 7 | * | X | X | X | X | * | * | * |
-------------------------------------
```

```
-----------------------------------------
Thank you for choosing Athens State Theater!
Total Amount Due: $12.00 (tax included)
-----------------------------------------
-------------------------------------
Seats | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
-------------------------------------
Row 1 | # | # | X | X | X | X | * | * |
-------------------------------------
Row 2 | X | X | # | # | # | # | X | * |
-------------------------------------
Row 3 | X | X | X | X | X | X | X | X |
-------------------------------------
Row 4 | # | # | X | X | # | # | # | X |
-------------------------------------
Row 5 | X | X | X | X | X | X | X | * |
-------------------------------------
Row 6 | X | # | # | # | # | X | * | * |
-------------------------------------
Row 7 | * | X | X | X | X | * | * | * |
-------------------------------------
```

Admin Menu:

```
To proceed to movie selection, enter 1.
-99

Administration Options:
1. View Total Profits
2. View Total Tickets
3. View Tickets By Type
4. Return to Main Menu
5. Shut Down
Enter your selection 1 through 5:
```

```
Enter your selection 1 through 5: 0
You have entered an invalid selection. Please enter a number 1 through 5: 6

You have entered an invalid selection. Please enter a number 1 through 5:
```

```
You have entered an invalid selection. Please enter a number 1 through 5: 1


Total Profits: $100.00


Administration Options:
1. View Total Profits
2. View Total Tickets
3. View Tickets By Type
4. Return to Main Menu
5. Shut Down
Enter your selection 1 through 5:
```

```
Enter your selection 1 through 5: 2

Total Ticket Sales: 15


Administration Options:
1. View Total Profits
2. View Total Tickets
3. View Tickets By Type
4. Return to Main Menu
5. Shut Down
Enter your selection 1 through 5: 3

Total Adult Ticket Sales: 5
Total Children Ticket Sales: 10
```

```
4. Return to Main Menu
5. Shut Down
Enter your selection 1 through 5: 4

To proceed to movie selection, enter 1.
```

```
5. Shut Down
Enter your selection 1 through 5: 5
Shutting Down...
```

The program only has return 0 in option 5 of the admin menu since the program is meant to be continuous and not shut down by a customer.