

## **Book Your Show :-)**

This assignment is designed to reinforce your understanding of arrays , loops, and Java,in general. It asks you to build a BookYourShow class capable of booking tickets for movies.

The BookYourShow class has a few simple behaviors, which are described below. It also asks you to develop a menu class which should contain the main() method and provide the user with a menu allowing the user to exercise all of the features of the BookYourShow class.

### **The Show Class**

Each Show should have the following information about the event it describes.

The constructor should take a three parameters, the name of the movie, the show date and time , and the seats with seat numbers like A1, B2, A3, A2, B1....etc.

### **The Patron Class**

In order to store the user details create the Patron class.

Each patron should have the following information.

Name of the Patron and Mobile Number of the Patron.

### **The BookYourShow Class**

Each BookYourShow should allow the user to store Shows. The user can add, remove, and access shows as described below.

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- Users should be able to addAShow()
- Users should be able to getAShow() by specifying the movie name ,date and time. This method should return all the shows that matches the given details.
- Users should be able to bookAShow() by specifying his name,movie name, Mobile Number, Date-Time and Seat numbers. If the seats are not available then the booking should not be possible.
- Users should be able to printTickets() by specifying their mobile number ,movie name and date-time.
- Users should be able to see all the shows by showAll()

### **The Solution Class**

The Solution should provide the user with the option of adding, booking, individual shows, or of printing a list of all tickets. The main method which is the driver method is used to drive the program.