**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.

**The Patron Class**

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

Each patron should have the following information.

● Name and Mobile Number

**The BookYourShow ​Class**

Each BookYourShow ​ should allow the user to store Shows. The user can add, remove, and

access shows as described below.

* 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 the 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 and the show
* Users should be able to ​removeAMovie() which should remove all the shows that match this movie.

**The ​Menu ​Class**

The menu should provide the user with the option of creating a new ​BookYourShow, and then of adding, booking, removing individual shows, or of printing a list of all books within the BookYourShow .