Project Proposal

For My java project, I would like to develop an application about a movie theater. This application will help users find a movie and purchase a ticket for it. They will have multiple options for this such as the ability to purchase an IMAX ticket, a 3-D ticket and a regular ticket. They will also be able to have various seating options such as reclining and non-reclining seats. This app will ask for user input and will respond through various methods. I am thinking about adding a database to increase the functionality of the website along with using arrays, and hash maps. In addition to this, customers will be able to find the theater closest to them based on their location. They will also be able to order food and snacks after buying their ticket. It will also display the ratings of the movie and will rank them in order from highest to lowest rated. Customers will also be able to locate the closest theater to them based on their current location. The application will probably have a driver class and a class for various methods and functions. In the end when everything is complete it will generate a seat number and will display all the options the customer has selected. It will also ask for a make believe credit card number in order to purchase the various items. It will also print out the theater name and number and where it is located. Customers will also be able to input a time they find most convenient and an array will print out the time closest to that time. This application will be called TheaterTick. It will use various packages such as the arrays, date and time, scanner, and hashmap. The hashmap will be used to contain string and integer values making it easy to list and find a movie.