



## *Watch Ever Cancel Never*

Jetflix is an upcoming online movie rental venture. It is started by an ex-employee of Netflix. You are asked to develop their software for the following simple requirement:

A customer can rent as many movies. Movie rental pricing is tiered as follows:  
Regular movie cost is 10 Rs. for two days and 5 Rs for every day after that.  
Children's movie costs 5 Rs/day. Flat rate for any number of days.  
New release costs 30 Rs/day and 25 Rs/day from 3<sup>rd</sup> day.

Your program will output a text statement and html statement for the Customer at any point of time when appropriate type (text or html) is requested. Sample text statement

Customer: John Smith			
Movie	Type	Days Rented	Charge
Toilet – Ek Prem Katha	New Release	5	XX.XX
Tubelight	Regular	3	YY.YY
Padmavathi	New Release	1	ZZ.ZZ
Ice Age 5	Childrens	2	AA.AA
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TOTAL			QQQ.QQ
=====			

An initial structure of 3 classes – Customer, Rental, Movie is provided as a starting point and to indicate relationship between three. You can change anything with this - add classes, Remove classes, Subclass, extract class. Do Anything. Be creative. But relationship between them (shown below) is to be retained. Sample Classes (Starting Point) are below – Program in Java or C++

```
public class Customer {
    private String name;
    private List<Rental> rentals = new ArrayList();
    ..
    .. ..
}

public class Rental {
    private Movie movie;
    private int daysRented;
    .. ..
    ..
}

public class Movie {
    private String name;
    .. ..
    ..
}
```