REFACTORING TO DESIGN PATTERNS

In this homework, you are required to use the code for the movie rental application and add the following features:

1) You are required to modify the code to make the function of computing frequent rental points into a strategy design pattern (That is, you will have strategy classes to compute frequent rental points).
2) After create a strategy class for the current strategy to compute frequent rental points, you are required to add two new strategies:
   a. The first new frequent rental point computation gives double regular points to any customer who is renting more than two types of categories
   b. The first new frequent rental point computation gives double regular points to any customer who is 18-22 and renting one or multiple new release movies.
3) Please modify your code to add the following functionality: if a customer has 10 frequent renter points, he will get a free movie rental of any type.