

BlueRay.java

```
1 package project4;
2
3 import java.util.GregorianCalendar;
4 import java.util.concurrent.TimeUnit;
5
6 public class BlueRay extends DVD{
7
8     /*****
9      * constructor for Blue ray class
10     * @param bought date blue ray was rented
11     * @param dueBack date blue ray is due
12     * @param title title of blue ray
13     * @param nameOfRenter name of renter
14     *****/
15     public BlueRay(GregorianCalendar bought, GregorianCalendar dueBack,
16                   String title, String nameOfRenter) {
17
18         super(bought, dueBack, title, nameOfRenter);
19
20     }
21
22     /*****
23     * returns a string detailing the total cost of a rental
24     * @param returnDate the date the rental was returned
25     * @return costDialog the string detailing all the information
26     *****/
27     public String getCost(GregorianCalendar returnDate){
28         int daysLate = 0;
29         try{
30             daysLate = (int) TimeUnit.MILLISECONDS.toDays
31                 (dueBack.getTimeInMillis() - returnDate.getTimeInMillis());
32         }catch(IllegalArgumentException e){
33
34         }
35
36         int cost = 2;
37
38         String costDialog = "Base Cost = $2.00" + "\n";
39
40         // appends string with extra details if it's late
41         if (daysLate > 0){
42             cost += 2 + daysLate;
43             costDialog += "Late fee: $2.00 + $1.00 per day late" + "\n";
44             costDialog += "Days late: " + daysLate + "\n";
45         }
46
47         costDialog += "Total cost: $" + cost + ".00";
48
49         return costDialog;
50     }
51 }
52 }
53 }
```