```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6  using Slogan;
7  using BooksOptions;
8
9  namespace BooksRent
10 {
11     public class BooksRentClass
12     {
13     }
14
15     public class RentBooks
16     {
17         public void RentInput()
18         {
19             SloganDisplay display = new SloganDisplay(); //slogan
20             display.Display();
21             try
22             {
23                 BooksOptionsClass rentOptions = new BooksOptionsClass(); //books
                     options, rent options
24                 rentOptions.RentOptions();
25                 Console.WriteLine("Enter Product Name:
                     (Exclude author when entering product name)");
26                 string productName = Console.ReadLine(); //get user input and call
                      it productName
27
28                 string[] names = new string[8] { "Anna Karenina", "Madame Bovary",
                      "War and Peace", "The Great Gatsby", "Lolita", "Middlemarch",
                     "The Adventures of Huckleberry Finn","The Hobbit"};
29                 if (names.Any(productName.Equals)) //make sure productName =
                     names, if not go to else
30                 {
31                     Console.WriteLine("How many days would you like to rent
                        this?");
32                     int rentdays = Convert.ToInt16(Console.ReadLine());
33                     ReturnDate returndate = new ReturnDate();
34                     string thereturndate = returndate.ReturnDateCal(rentdays);
35                     double totalrentcost = returndate.RentCost(rentdays);
36                     Display newDisplay = new Display();
37                     newDisplay.EndDisplay(productName, thereturndate,
                        totalrentcost);
38                 }
39                 else
40                 {
41                     SloganDisplay displayError = new SloganDisplay(); //displays
                        slogan
42                     displayError.Display();
43                     Console.WriteLine("Please enter an avalible title\n Press
```

```
                    enter to continue");
44                  Console.ReadLine();
45                  RentInput(); //return to rentinput, have user try again
46              }
47
48          }
49          catch (Exception myerror)
50          {
51
52              Console.WriteLine(myerror.Message);
53          }
54      }
55
56  }
57
58  public class ReturnDate
59  {
60      public string ReturnDateCal(int numberdays)
61      {
62          int mynumberdays = numberdays;
63          DateTime today = DateTime.Now;
64          DateTime returndate = today.AddDays(mynumberdays); //adds the number
              of days the user entered to the current date
65          string productreturndate = returndate.ToString("MM/dd/yyyy"); //
              returns the date in the format of mm/dd/yyyy
66          return productreturndate;
67      }
68      public double RentCost(int numberdays)
69      {
70          double mynumberdays = Convert.ToDouble(numberdays); //number of days
              times the cost of renting
71          double totalrent = numberdays * .50;
72          return totalrent;
73      }
74
75  }
76
77  public class Display
78  {
79      public void EndDisplay(string productName, string therentdate, double
          totalrentcost)//display the return date, productName and cost of the
          item
80      {
81          SloganDisplay dis = new SloganDisplay();
82          string finalRentdate = therentdate;
83          string finalProductName = productName;
84          double finalRentcost = totalrentcost;
85          Console.WriteLine("Thank you for renting " + finalProductName + "\n" +
              "It will need to be return on " + finalRentdate + "\n" + "Total
            rental cost is " + finalRentcost.ToString("C") + "\n" + "Please
            press enter to return to the Blocks Books Menu");
86          Console.ReadLine();
```

```
87
88          }
89      }
90
91  }
92
```