```java
/**
 * Write a description of class Website here.
 * This class allows the browser to login
 * This class also checks if the browser is over the age of 18
 * This class also gives a discount to every 10th person that logs in
 * There is also a checkout method that allows the browser to checkout
   there wine
 * There is also method that shows the details of the brwosers logged
in
 * @author (Awais Tasleem)
 * @version (2.1)
 */
//imported classes
import java.util.Random;
import java.util.*;

public class Website
{
     //All the variables
    private String name;
    private int hits;   //add one to hits when someone logs in
    private int salesTotal; //Keeps a running sum of the sales price.
    private boolean ageFlag = false; //this is jsut for test not part
of the homework
    private int maxNumberOfWineCases;   //the max amount of wincases i
n the basket
    private WineCase wineCase;
    //private ArrayList<Browser> loggedIn; //array list

    //private double takenPrice;


    public Website(String sitename1) //constructor for assigning the n
ame of the website
    {
        name = sitename1;
        hits = 0;
        salesTotal = 0;
        maxNumberOfWineCases = 20;
    }

    public Website()      //default constructor, makes debugging easie
r
    {
        name = "wine";
        hits = 0;
        salesTotal = 0;
        maxNumberOfWineCases = 20;
    }

    public void buyerLogin(Browser browser)          //outputs the deta
ils of the logged in buyer
    {
```

```
47              if(browser.getIsBuyer() == true)
48              {
49                  //browser = browser1;
50              System.out.println(name + " welcome buyer " + browser.getId()
    + " you are now logged in");
51                  //browser.setWebsite(this.name, browser.getWebsiteRef());
52              browser.setWebsite(this);    //knows which browser is logged in
53              hits += 1;       //adds 1 to hits
54              }
55              else
56              {
57                  //if the person isnt logged in then this is shown
58                  System.out.println("You are not logged in, please login");
59              }
60          }
61
62      public void becomeBuyer(Browser browser)        //checks to see if
     the age of the buyer is over 18
63          {
64              if(browser.getYearOfBirth() <= 2001)
65              {
66                  System.out.println("You are old enough to buy alcohol");
67                  browser.setIsBuyer(true);
68                  buyerLogin(browser);
69                  ageFlag = true;         //I put this in myself as a test,
    the homework doesnt need it.
70                  //browser.setBuyerStatus() = true;
71              }
72              else
73              {
74                  System.out.println("You are too young");
75                  browser.setIsBuyer(false);
76                  ageFlag = false;        //I put this in myself as a test,
    the homework doesnt need it.
77              }
78          }
79
80
81      //mutator methods
82      public void changeName(String name1)
83          {
84              name = name1;
85          }
86
87      public void changeHits(int hits1)
88          {
89              hits = hits1;
90          }
91
92      public void changeSalesTotal(int sales)
93          {
94              salesTotal = sales;
95          }
```

```java
96
97
98       //getter methods
99       public String getName()
100      {
101          return name;
102      }
103
104      public int getHits()
105      {
106          return hits;
107      }
108
109      public int getSalesTotal()
110      {
111          return salesTotal;
112      }
113
114
115
116      public void checkout(Browser browser)
117      {
118          //improved and fixed
119          //System.out.println("You have succefully purchased from " + b
rowser.getWebsiteRef());
120          ArrayList<WineCase> basket = browser.getBasket();   //Referenc
e to the array basket
121          //WineCase wineCase1;
122          //ArrayList<Browser> loggedIn = browser.
123          WineCase wineCase = new WineCase();
124
125          double takenPrice;  //local variable
126
127          int counter = 0;    //loacl variable
128 //         if (checkHitsDiscount() == true)//hits % 10 == 0) //if hits
 mod 10 = 0 then do the below
129 //         {
130 //             takenPrice = wineCase.getPrice();
131 //             takenPrice = takenPrice * 0.9;
132 //             System.out.println("Congratulations you have a 10% disc
ount on your order of " + wineCase.getRefNo() + name + takenPrice);
133 //             salesTotal += takenPrice;
134 //             browser.setWebsite(null);
135 //             browser.getBasket();
136 //         }
137 //         else
138 //         {
139 //             System.out.println("You are purchasing " + wineCase.get
RefNo() + " from " + name + " for £"+ wineCase.getPrice());
140 //             salesTotal += wineCase.getPrice();
141 //             browser.setWebsite(null);
142 //             //checkHitsDiscout();
143 //         }
```

```java
144            //printf is a table type
145            //printf()java google it
146            String title1 = "Wine Type";
147            String title2 = "Cost";
148            System.out.println("-------------------------------------------
       --------------------------");
149            System.out.println("Website name: " + name + "customer id: " +
       browser.getId());
150            System.out.println("Your basket has: ");
151            System.out.printf("%-10s %10s %n", title1, title2);
152            for(WineCase wine : basket)
153            {
154                //the recipt
155
156                if (checkHitsDiscount(browser) == true)     //checks if th
       e discount is true
157                {
158                    takenPrice = wineCase.getPrice();   //this is where th
       e discount is worked out
159                    takenPrice = takenPrice * 0.9;
160                    System.out.printf("%-10.5s %10.5s %n", wineCase.getRef
       No() , "£"+ wineCase.getPrice());
161                    //wineCase.toString();
162                    //print f is for foramting the style of the output in
       the terminal
163                    //need to design the recipt
164
165                    salesTotal += wineCase.getPrice();
166
167
168                    counter++;
169                    basketOverFull(browser);
170            }//hits % 10 == 0) //if hits mod 10 = 0 then do the below{
       }
171                else
172                {
173                    System.out.printf("%-10.5s %10.5s %n", wineCase.getRef
       No() , "£"+ wineCase.getPrice());
174                    //wineCase.toString();
175                    salesTotal += wineCase.getPrice();
176
177                    browser.setWebsite(null);
178                    basketOverFull(browser);
179                }
180
181            }
182            System.out.println("Total price is: £" + salesTotal);
183            System.out.println("-------------------------------------------
       --------------------------");
184            browser.setWebsite(null);   //logs the browser out
185            basket.clear(); //Empties the basket
186            browser.logOut();   //this does both the things above but from
       a seperate method in the browser class.
```

```
187          }
188
189
190      //discout
191      public boolean checkHitsDiscount(Browser browser)
192      //improved and fixed
193      {
194          //checks to see if the amount of winecases is more thn 5
195          ArrayList<WineCase> basket = browser.getBasket();
196          if(basket.size() > 4) //zero based indexing
197          {
198              return true;
199          }
200          else
201          {
202              return false;
203          }
204 //        if (hits % 10 == 0) //if hits mod 10 = 0 then do the below
205 //        {
206 //            return true;
207 //        }
208 //        else{
209 //            return false;
210 //        }
211      }
212
213      public boolean basketOverFull(Browser browser)
214      {
215          //this checks to see if the array size is bigger than the maxi
    mum allowed
216          ArrayList<WineCase> basket = browser.getBasket();       //refe
    rence to the array basket
217          if(basket.size() > maxNumberOfWineCases)
218          {
219              return true;
220          }
221          else
222          {
223              return false;
224          }
225      }
226
227      //This outputs all the details of the browser logged in
228      public void detailsOfPeopleLoggedIn(Browser browser)
229      {
230
231          if(browser.getIsBuyer() == true)
232          //int counter = 0;
233              //while()
234              System.out.println("The people logged in right now are:")
    ;
235              System.out.println("Browser id: " + browser.getId() + " b
    rowser email: " + browser.getEmail() + " browser year of birth: " + br
```

```
235  owser.getYearOfBirth());
236          //}
237          //System.out.println("Browser id: " + browser.getId() + " brow
     ser email: " + browser.getEmail() + " browser year of birth: " + brows
     er.getYearOfBirth());
238      }
239
240  }
241
```