

```
1  /**
2   * Write a description of class Browser here.
3   * This class is where the user picks a winecase
4   * and also the browser can pay for the wine
5   * @author (Awais Tasleem)
6   * @version (2.1)
7   */
8  //imported classes
9  import java.util.Random;
10 import java.util.*;
11
12 public class Browser
13 {
14     //All the variables
15     private int yearOfBirth;
16     private String email;
17     private int iD;
18     private boolean isBuyer;
19     //private WineCase wineCase; //Pointer
20     private Website website; //Pointer
21     private ArrayList<WineCase> basket; //array list
22     //private int wineCaseCounter = 0;
23
24
25     //browser 1
26     //ID
27     public Browser(int yearOfBirth1, String email1, int iD1)    //constructor for a old user
28     {
29         basket = new ArrayList<WineCase>();
30         yearOfBirth = yearOfBirth1;
31         email = email1;
32         iD = iD1;
33         isBuyer = true;
34         //isBuyer = true;
35     }
36
37
38     //browser 2
39     //No ID
40     public Browser(int yearOfBirth2, String email2)    //constructor for new user
41     {
42         basket = new ArrayList<WineCase>();
43         Random random = new Random();
44         yearOfBirth = yearOfBirth2;
45         email = email2;
46         iD = random.nextInt();
47         isBuyer = false;
48         //isBuyer = false;
49     }
50
51     public Browser()    //default constructor for new user, makes deb
```

```
51  ugging easier
52  {
53      basket = new ArrayList<WineCase>();
54      yearOfBirth = 1995;
55      email = "awaist7860@hotmail.com";
56      iD = 999;
57      isBuyer = false;
58  }
59
60  public void setBuyerStatus(boolean isLogin)    //logs the buyer i
n
61  {
62      isBuyer = isLogin;
63      //use control space after the dot notation
64  }
65
66
67  //getter methods
68  public int getYearOfBirth()
69  {
70      return yearOfBirth;
71  }
72
73  public String getEmail()
74  {
75      return email;
76  }
77
78  public int getId()
79  {
80      return iD;
81  }
82
83  public boolean getIsBuyer()
84  {
85      return isBuyer;
86  }
87
88  public ArrayList getBasket()
89  {
90      return basket;
91  }
92
93  public int getBasketSize()
94  {
95      return basket.size();
96  }
97
98  //mutator methods
99
100  public void seteYearOfBirth(int year)
101  {
102      yearOfBirth = year;
```

```
103     }
104
105     public void setEmail(String changeEmail)
106     {
107         email = changeEmail;
108     }
109
110     public void setId(int changeId)
111     {
112         iD = changeId;
113     }
114
115
116     public void setIsBuyer(boolean flag)
117     {
118         isBuyer = flag;
119     }
120
121     public void setWebsite(Website website1)
122     {
123         website = website1;
124     }
125
126     //come back to this
127     //public void setWebsite(String name1)
128     //{
129     //    setWebsite.changeName() = name1;
130     //}
131
132     public void selectWineCase(WineCase wineCase)           //this methods
selects and outputs the detail of the wine case.
133     {
134         //finished and improved
135         if (isBuyer == true)    //the browser selects a winecase they
want to buy and then it is added to the basket
136         {
137             WineCase winecase = new WineCase();
138             System.out.println("Buyer with ID: " + getId() +
139             " has selected wine case with reference number:" + wineCas
e.getRefNo() +
140             ", a case of " + wineCase.getDescription() + "of " + wineC
ase.getNoOfBottles() +
141             " bottles" + " at £" + wineCase.getPrice());
142             basket.add(wineCase);
143         }
144         else
145         {
146             System.out.println("Please login");
147         }
148     }
149
150     public void payForWine(Website website)           //paying for the wi
ne method
```

```

151     {
152         website.checkout(this);           //pointer to itself and the wine
case
153     }
154
155     public void showBasket()           //This methods shows whtas in the bask
et
156     {
157         WineCase wineCase; //reference to winecase
158         int wineCaseCounter = 0;      //counter
159         //wineCaseCounter = basket;
160         System.out.println("this is in your basket");
161         while (wineCaseCounter<basket.size()) //while loop, loops th
rough the array
162         {
163             wineCase = basket.get(wineCaseCounter);
164             //System.out.println("this is in your basket" + wineCase.t
oString());
165             System.out.println(wineCase.toString()); //outputs the
toString method
166             wineCaseCounter++; //adds 1 to the counter
167         }
168     }
169
170     public void logOut()           //extra method if the user wants to logout
171     {
172         setWebsite(null);
173         basket.clear();
174     }
175
176     public void putWineCaseBack(int position) //this method takes a
winecase out of the basket and gets rid of it
177     {
178         if(position >= 0 && position <basket.size())
179         {
180             basket.remove(position);
181         }
182     }
183
184     public void putWineCaseBack(String ref) //same as the one abov
e but the array looks for the ref number
185     {
186         int position = 0;
187         while(position < 0 && position <basket.size())
188         {
189             basket.remove(ref);
190         }
191     }
192
193     // public void putWineCaseBack(String searchRef)
194     // {
195     //     while(String wineName : basket)
196     //     {

```

```
197 //          basket.remove(searchRef);
198 //      }
199 //  }
200
201 //      public void putExpensiveWineCaseBack(WineCase wineCase)      //
202 //          This should put back the most expensive wine case
203 //      {
204 //          ArrayList<WineCase> basket = browser.getBasket();
205 //          if(basket == null)
206 //          {
207 //              System.out.println("The are no items in the basket to r
208 //          remove");
209 //          }
210 //          else if(basket.)
211 //          {
212 //          }
213 //      }
214 }
```