

```
108 }
109
110 public static Bike findBikeByNumber(int bikeNum){
111     int numberOfBikes = bikeList.length;
112
113     // iterate over the list of bikes
114     for(int i=0;i<numberOfBikes;i++){
115         // if we find the bike with the correct number...
116         if(bikeList[i].getBikeNumber( ) == bikeNum){
117             // tell user that we've found it
118             System.out.println("Bike with number '" + bikeNum + "' found" + "\n");
119             // and return it to the UI
120             return bikeList[i];
121         }
122     }
123     // if we don't find the bike, tell the user and return nothing
124     System.out.println("Bike with number '" + bikeNum + "' not found" + "\n");
125     return null;
126 }
127
128 public void showDetails( ){
129     // print out all the details
130     System.out.println("Details for bike number '" + bikeNumber + "'");
131     System.out.println("DEPOSIT: " + deposit);
132     System.out.println("RATE: " + rate + "\n");
133 }
134
135 public void calculateCost(int numberOfDays){
136     // work out the cost
137     int cost = deposit + (rate*numberOfDays);
138     System.out.println("COST would be f" + cost + "\n");
139 }
140 }
```

### Customer class

```
141  /* Generated by Together */
142
143  package bikeshop;
144
145  public class Customer {
146
147      //    set up member variables
148      private String name = null;
149      private String postcode = null;
150      private int telephone = 0;
151      private int customerId = 0;
152
153      private static int customerCount = 001;
154
155      public Customer(String cName, String pcode, int tel){
156          // set the member variables
```

Figure 11.10 The code listing for the Wheels system (continued)