

TacoManager.java

```

1 /*
2  * Written by JJ Shepherd
3  */
4 import java.util.Scanner;
5 import java.io.*;
6 public class TacoManager
7 {
8     public static final String DELIM = "\t";
9     public static final int BODY_FIELD_AMT = 3;
10    private GenLL<Taco> tacos;
11    public TacoManager()
12    {
13        tacos = new GenLL<Taco>();
14    }
15    public void addTaco(Taco aTaco)
16    {
17        tacos.add(aTaco);
18        this.sortTacos();
19    }
20    public void removeTaco(String aName)
21    {
22        tacos.reset();//sets current to the head
23        while(tacos.hasMore())
24        {
25            if(tacos.getCurrent().getName().equalsIgnoreCase(aName))
26            {
27                tacos.removeCurrent();
28                break;
29            }
30            tacos.gotoNext();
31        }
32    }
33    private void sortTacos()
34    {
35        boolean swapped = true;
36        while(swapped)
37        {
38            swapped = false;
39            for(int i=0;i<tacos.getSize();i++)
40            {
41                if(tacos.getAt(i+1) == null)
42                    break;
43                if(tacos.getAt(i).getPrice() > tacos.getAt(i+1).getPrice())
44                {
45                    Taco temp = tacos.getAt(i);
46                    tacos.setAt(i, tacos.getAt(i+1));
47                    tacos.setAt(i+1, temp);
48                    swapped = true;
49                }
50            }
51        }
52    }
53    public void writeTacoFile(String aName)
54    {
55        try
56        {
57            PrintWriter fileWriter = new PrintWriter(new FileOutputStream(aName));

```

TacoManager.java

```

58         //Body
59         tacos.reset();
60         while(tacos.hasMore())
61         {
62             Taco aTaco = tacos.getCurrent();
63             fileWriter.println(aTaco.getName()+DELIM+aTaco.getLocation()+DELIM+aTaco.getPr
ice());
64             tacos.gotoNext();
65         }
66         fileWriter.close();
67     }
68     catch(Exception e)
69     {
70         e.printStackTrace();
71     }
72 }
73 public void readTacoFile(String aName)
74 {
75     try
76     {
77         Scanner fileScanner = new Scanner(new File(aName));
78         while(fileScanner.hasNextLine())
79         {
80             String fileLine = fileScanner.nextLine();
81             String[] splitLines = fileLine.split(DELIM);
82             if(splitLines.length == BODY_FIELD_AMT)
83             {
84                 String name = splitLines[0];
85                 String loc = splitLines[1];
86                 double price = Double.parseDouble(splitLines[2]);
87                 Taco aTaco = new Taco(name,loc,price);
88                 this.addTaco(aTaco);
89             }
90         }
91         fileScanner.close();
92     }
93     catch(Exception e)
94     {
95         e.printStackTrace();
96     }
97 }
98 public void printTacos()
99 {
100     tacos.print();
101 }
102 }
103

```