LogFileCreator.java

```java
 1 package outputManager;
 2
 3 import java.io.File;
 4 import java.io.IOException;
 5 import java.io.PrintWriter;
 6 import java.util.ArrayList;
 7 import taxpayer.Taxpayer;
 8
 9 public class LogFileCreator {
10     private String domain;
11     private Taxpayer outputManagerTaxpayer = null;
12     private ArrayList<String> bunchOfOpeningTagData =
13             new ArrayList<String>();
14     private ArrayList<String> bunchOfUsefulData;
15     private ArrayList<String> bunchOfDataForTextFile;
16     private ArrayList<String> bunchOfDataForXmlFile;
17     private String textFullDomain;
18     private String xmlFullDomain;
19     private File xmlFile;
20     private File textFile;
21
22     public LogFileCreator(Taxpayer taxp, String domain){
23         createBunchOfUsefulData();
24         outputManagerTaxpayer = taxp;
25         this.domain = domain;
26         initializeFullPathForTxtFile(outputManagerTaxpayer);
27         initializeFullPathForXmlFile(outputManagerTaxpayer);
28         textFile = new File(textFullDomain);
29         xmlFile = new File(xmlFullDomain);
30         initializeBunchOfOpeningTagData();
31     }
32
33     public void createLogTextFile(){
34         completeBunchOfDataForTextFile();
35         try{
36             PrintWriter output = new PrintWriter(textFile);
37             for(String myString: bunchOfDataForTextFile){
38                 output.println(myString);
39             }
40             output.close();
41         }catch (IOException ex){
42             System.out.printf("ERROR: %s\n", ex);
43         }
44     }
45
46     public void createLogXmlFile(){
47         completeBunchOfDataForXmlFile();
48         try{
49             PrintWriter output = new PrintWriter(xmlFile);
50             for(String myString: bunchOfDataForXmlFile){
51                 output.println(myString);
52             }
53             output.close();
54         }catch (IOException ex){
55             System.out.printf("ERROR: %s\n", ex);
56         }
57     }
58
59     private void completeBunchOfDataForTextFile(){
60         createBunchOfUsefulData();
61         bunchOfDataForTextFile = new ArrayList<String>();
62         for(int i=0; i<bunchOfUsefulData.size(); i++){
```

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63              bunchOfDataForTextFile.add(createStartingTextFormat(
64                      bunchOfOpeningTagData.get(i)) +
65                      bunchOfUsefulData.get(i));
66          };
67      }
68
69      private void completeBunchOfDataForXmlFile(){
70          createBunchOfUsefulData();
71          bunchOfDataForXmlFile = new ArrayList<String>();
72          for(int i=0; i<bunchOfUsefulData.size(); i++){
73              bunchOfDataForXmlFile.add(createStartingXmlFormat(
74                      bunchOfOpeningTagData.get(i)) +
75                      bunchOfUsefulData.get(i) +
76                      createFinishingXmlFormat(bunchOfOpeningTagData
77                          .get(i)));
78          }
79      }
80
81      private void initializeBunchOfOpeningTagData(){
82          bunchOfOpeningTagData.add("Name");
83          bunchOfOpeningTagData.add("AFM");
84          bunchOfOpeningTagData.add("Income");
85          bunchOfOpeningTagData.add("BasicTax");
86          bunchOfOpeningTagData.add("TaxIncrease");
87          bunchOfOpeningTagData.add("TotalTax");
88          bunchOfOpeningTagData.add("Receipts");
89          bunchOfOpeningTagData.add("Entertainment");
90          bunchOfOpeningTagData.add("Basic");
91          bunchOfOpeningTagData.add("Travel");
92          bunchOfOpeningTagData.add("Health");
93          bunchOfOpeningTagData.add("Other");
94      }
95
96      private void createBunchOfUsefulData(){
97          bunchOfUsefulData =
98                  new ArrayList<String>();
99          ArrayList<String> bunchOfData =
100                 outputManagerTaxpayer.getTaxpayerBunchOfData();
101         bunchOfUsefulData.add(bunchOfData.get(0));
102         bunchOfUsefulData.add(bunchOfData.get(1));
103         bunchOfUsefulData.add(bunchOfData.get(3));
104         bunchOfUsefulData.add(bunchOfData.get(4));
105         bunchOfUsefulData.add(bunchOfData.get(5));
106         bunchOfUsefulData.add(bunchOfData.get(6));
107         bunchOfUsefulData.add(bunchOfData.get(7));
108         bunchOfUsefulData.add(bunchOfData.get(8));
109         bunchOfUsefulData.add(bunchOfData.get(9));
110         bunchOfUsefulData.add(bunchOfData.get(10));
111         bunchOfUsefulData.add(bunchOfData.get(11));
112         bunchOfUsefulData.add(bunchOfData.get(12));
113     }
114
115     private String createStartingXmlFormat(String keyWord){
116         return "<"+keyWord+"> ";
117     }
118
119     private String createFinishingXmlFormat(String keyWord){
120         return " </"+keyWord+">";
121     }
122
123     private String createStartingTextFormat(String keyWord){
124         return keyWord+": ";
```

```java
125     }
126
127     private void initializeFullPathForXmlFile(Taxpayer taxp){
128         xmlFullDomain = domain+bunchOfUsefulData.get(1)+"_LOG.xml";
129     }
130
131     private void initializeFullPathForTxtFile(Taxpayer taxp){
132         textFullDomain = domain+bunchOfUsefulData.get(1)+"_LOG.txt";
133     }
134
135     public void setDomain(String domain){
136         this.domain = domain;
137     }
138 }
139
```