

# InfoFileUpdater.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 InfoFileUpdater {
10     private String domain;
11     private String xmlFullDomain;
12     private String textFullDomain;
13     private ArrayList<String> bunchOfDataForTextFile;
14     private ArrayList<String> bunchOfDataForXmlFile;
15     private ArrayList<String> bunchOfUsefulData;
16     private ArrayList<String> bunchOfOpeningTagData;
17     private File textFile;
18     private File xmlFile;
19     private Taxpayer outputManagerTaxpayer = null;
20
21     public InfoFileUpdater(Taxpayer outputManagerTaxpayer,
22         String domain){
23         this.outputManagerTaxpayer = outputManagerTaxpayer;
24         this.domain = domain;
25         initializeFullPathForXmlFile(outputManagerTaxpayer);
26         initializeFullPathForTxtFile(outputManagerTaxpayer);
27         textFile = new File(textFullDomain);
28         xmlFile = new File(xmlFullDomain);
29         createBunchOfOpeningTagData();
30     }
31
32     public void updateInfoFiles(){
33         if(textFile.exists() && !textFile.isDirectory()){
34             createInfoTextFile();
35         }
36         if(xmlFile.exists() && !xmlFile.isDirectory()){
37             createInfoXmlFile();
38         }
39     }
40
41     private void createInfoTextFile(){
42         completeBunchOfDataForTextFile();
43         try{
44             PrintWriter output = new PrintWriter(textFile);
45             for(String myString: bunchOfDataForTextFile){
46                 if(myString.equals(": ")){
47                     output.println("");
48                     continue;
49                 }
50                 output.println(myString);
51             }
52             output.close();
53         } catch (IOException ex){
54             System.out.printf("ERROR: %s\n", ex);
55         }
56     }
57
58     private void createInfoXmlFile(){
59         completeBunchOfDataForXmlFile();
60         try{
61             PrintWriter output = new PrintWriter(xmlFile);
62             for(String myString: bunchOfDataForXmlFile){

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63         if(myString.equals("<> </>")){
64             output.println("");
65             continue;
66         }
67         output.println(myString);
68     }
69     output.close();
70 } catch (IOException ex){
71     System.out.printf("ERROR: %s\n", ex);
72 }
73 }
74
75 private void completeBunchOfDataForTextFile(){
76     createBunchOfUsefulData();
77     bunchOfDataForTextFile = new ArrayList<String>();
78     for(int i=0; i<bunchOfUsefulData.size(); i++){
79         bunchOfDataForTextFile.add(createStartingTextFormat(
80             bunchOfOpeningTagData.get(i)) +
81             bunchOfUsefulData.get(i));
82     }
83 }
84
85 private void completeBunchOfDataForXmlFile(){
86     createBunchOfUsefulData();
87     bunchOfDataForXmlFile = new ArrayList<String>();
88     for(int i=0; i<bunchOfUsefulData.size(); i++){
89         bunchOfDataForXmlFile.add(createStartingXmlFormat(
90             bunchOfOpeningTagData.get(i)) +
91             bunchOfUsefulData.get(i) +
92             createFinishingXmlFormat(bunchOfOpeningTagData
93                 .get(i)));
94     }
95     bunchOfDataForXmlFile.set(4, "<Receipts>");
96     bunchOfDataForXmlFile.add("</Receipts>");
97     bunchOfDataForXmlFile.remove("<Receipts> </Receipts>");
98 }
99
100 private void createBunchOfOpeningTagData(){
101     bunchOfOpeningTagData = new ArrayList<String>();
102     bunchOfOpeningTagData.add("Name");
103     bunchOfOpeningTagData.add("AFM");
104     bunchOfOpeningTagData.add("Status");
105     bunchOfOpeningTagData.add("Income");
106     bunchOfOpeningTagData.add(" ");
107     bunchOfOpeningTagData.add(" ");
108     bunchOfOpeningTagData.add("Receipts");
109     for(int i=0; i<outputManagerTaxpayer.getTotalReceiptsGathered(); i++){
110         bunchOfOpeningTagData.add(" ");
111         bunchOfOpeningTagData.add(" ");
112         bunchOfOpeningTagData.add("ReceiptID");
113         bunchOfOpeningTagData.add("Date");
114         bunchOfOpeningTagData.add("Kind");
115         bunchOfOpeningTagData.add("Amount");
116         bunchOfOpeningTagData.add("Company");
117         bunchOfOpeningTagData.add("Country");
118         bunchOfOpeningTagData.add("City");
119         bunchOfOpeningTagData.add("Street");
120         bunchOfOpeningTagData.add("Number");
121     }
122 }
123
124 private void createBunchOfUsefulData(){

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125     bunchOfUsefulData =
126         new ArrayList<String>();
127     ArrayList<String> bunchOfData =
128         outputManagerTaxpayer.getTaxpayerBunchOfData();
129     bunchOfUsefulData.add(bunchOfData.get(0));
130     bunchOfUsefulData.add(bunchOfData.get(1));
131     bunchOfUsefulData.add(bunchOfData.get(2));
132     bunchOfUsefulData.add(bunchOfData.get(3));
133     bunchOfUsefulData.add(" ");
134     bunchOfUsefulData.add(" ");
135     bunchOfUsefulData.add(" ");
136     int temp = 13;
137     for(int i=0; i<outputManagerTaxpayer.getTotalReceiptsGathered(); i++){
138         bunchOfUsefulData.add(" ");
139         bunchOfUsefulData.add(" ");
140         bunchOfUsefulData.add(bunchOfData.get(temp++));
141         bunchOfUsefulData.add(bunchOfData.get(temp++));
142         bunchOfUsefulData.add(bunchOfData.get(temp++));
143         bunchOfUsefulData.add(bunchOfData.get(temp++));
144         bunchOfUsefulData.add(bunchOfData.get(temp++));
145         bunchOfUsefulData.add(bunchOfData.get(temp++));
146         bunchOfUsefulData.add(bunchOfData.get(temp++));
147         bunchOfUsefulData.add(bunchOfData.get(temp++));
148         bunchOfUsefulData.add(bunchOfData.get(temp++));
149     }
150 }
151
152 private String createStartingXmlFormat(String keyWord){
153     return "<"+keyWord+"> ";
154 }
155
156 private String createFinishingXmlFormat(String keyWord){
157     return " </"+keyWord+">";
158 }
159
160 private String createStartingTextFormat(String keyWord){
161     return keyWord+": ";
162 }
163
164 private void initializeFullPathForXmlFile(Taxpayer taxp){
165     xmlFullDomain = domain + taxp.getAfm() + "_INFO.xml";
166 }
167
168 private void initializeFullPathForTxtFile(Taxpayer taxp){
169     textFullDomain = domain + taxp.getAfm() + "_INFO.txt";
170 }
171 }
172

```