```java
 1 package datamodel;
 2
 3 import java.util.ArrayList;
 4
 5 public class History {
 6     private String name;
 7     private int initNumOfOps;
 8     private int initNumOfStructs;
 9     private ArrayList <VersionInfo> listofVersions;
10     private LehmansRuleRecord []Rules;
11
12     public History(String name, int nops, int nstr){
13         listofVersions = new ArrayList<VersionInfo>();
14         Rules = new LehmansRuleRecord[8];
15         for(int i=0; i<8; i++){
16             Rules[i] = new LehmansRuleRecord(i+1);
17         }
18         this.name = name;
19         initNumOfOps = nops;
20         initNumOfStructs = nstr;
21     }
22
23     public LehmansRuleRecord getRule(int i){
24         if(i<=0 || i>8) return null;
25         return Rules[i-1];
26     }
27
28     public void addVersionInfo(VersionInfo v){
29         listofVersions.add(v);
30     }
31
32     public int getTotalVersions(){
33         return listofVersions.size();
34     }
35
36     public ArrayList<VersionInfo> getVersions(){
37         return listofVersions;
38     }
39
40     public boolean hasUserCheckedAllRules(){
41         for(int i=0; i<8; i++){
42             if(Rules[i].hasUserCheckedRule()==false) return false;
43         }
44         return true;
45     }
46
47     public String toString(){
48         return name;
49     }
50
51 }
52
```