9/23/2016 Homework Turnin

Homework Turnin

Email: rgalanos@fcps.edu

Section: 6G

Course: TJHSST APCS 2016–17

Assignment: 01-06

Receipt ID: 604bc0b5a09bdb673f80dc84101fc52b

Turnin Successful!

The following file(s) were received:

```
LogMessageTest.java
                                         (3558 bytes)
// name:
            date:
import java.util.*;
public class LogMessageTest
   public static void main(String[] args)
      String[] messages = {
          "CLIENT3:security alert - repeated login failures",
         "Webserver:disk offline"
         "SERVER1: file not found",
          "SERVER2:read error on disk DSK1"
         "SERVER1:write error on disk DSK2",
          "Webserver:error on /dev/disk",
         "True:disk",
"True:error on disk"
         "True:error on /dev/disk disk",
         "True:error on disk DSK1",
         "False:DISK",
"False:error on disk3"
         "False:error on /dev/disk",
          "False:diskette"};
    // Parts A and B
      for (String s : messages)
         LogMessage msg = new LogMessage(s);
System.out.println(msg.getMachineId() + ":" + msg.getDescription() + " ==> " + msg.containsWord("disk"));
      Part C
      SystemLog theLog = new SystemLog(messages);
      LogMessage[] removed = theLog.removeMessages("disk");
      System.out.println();
      System.out.println("Removed messages:\n");
      for (LogMessage msg : removed)
         System.out.println(msg);
      System.out.println();
      System.out.println("Remaining messages:\n");
      System.out.println(theLog);
}
```

```
class LogMessage
   private String machineId;
   private String description;
   /* Part (a) */
   public LogMessage(String message)
      String[] parts = message.split(":");
      machineId = parts[0];
      description = parts[1];
   /* Part (b) */
   public boolean containsWord(String keyword)
      StringTokenizer st = new StringTokenizer(description);
      while(st.hasMoreTokens())
         if(st.nextToken().equals(keyword))
            return true;
      return false;
   public String getMachineId()
      return machineId; }
   public String getDescription()
      return description; }
   public String toString()
      return getMachineId() + ":" + getDescription();
}
class SystemLog
   private LogMessage[] messageList;
   public SystemLog(String[] messages)
      messageList = new LogMessage[messages.length];
      for (int i=0;i<messages.length; i++)</pre>
         messageList[i]=(new LogMessage(messages[i]));
  /* Part (c) */
   public LogMessage[] removeMessages(String keyword)
      int count=0;
      for(int i = 0; i<messageList.length;i++)</pre>
         if(messageList[i].containsWord(keyword))
            count++;
      LogMessage[] removed = new LogMessage[count];
      int x=0;
      for(int i=0;i<messageList.length;i++)</pre>
         if(messageList[i].containsWord(keyword))
            removed[x]=messageList[i];
            messageList[i] = null;
            X++;
      LogMessage[] message_shrunk = new LogMessage[messageList.length-count];
      int y = 0;
      for(int i = 0;i<messageList.length;i++)</pre>
         if(messageList[i]!=null)
```

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chgrp(): Operation not permitted in /srv/gradeit/module/GradeItFile/src/GradeItFile/Service/FileSystemUtility.php line 138