```cpp
 1: // Copyright 2023 Thomas O'Connor
 2: #ifndef LOGPARSER_HPP
 3: #define LOGPARSER_HPP
 4:
 5: #include <algorithm>
 6: #include <fstream>
 7: #include <iostream>
 8: #include <regex>
 9: #include <string>
10: #include <SFML/System.hpp>
11:
12: #include "boost/date_time/posix_time/posix_time.hpp"
13: #include "boost/date_time/gregorian/gregorian.hpp"
14:
15: using std::string;
16: using boost::posix_time::ptime;
17: using boost::posix_time::time_from_string;
18:
19: class LogParser {
20:  public:
21:   // Constructor
22:   explicit LogParser(std::ifstream& log, const string& filePath) :
23:                     _referenceLog(log), _path(filePath) {}
24:   // generator function
25:   const string generateRPT() const;
26:
27:  private:
28:   // log file
29:   std::ifstream& _referenceLog;
30:   // file path
31:   string _path;
32: };
33:
34: #endif
```