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1: // Copyright 2015 Zheondre Calcano
2: // PS7b
3: #ifndef _Services_
4: #define _Services_
5:
6: #include <boost/regex.hpp>
7: #include <boost/date_time.hpp>
8: #include <exception>
9: #include <stdexcept>
10: #include <sstream>
11: #include <fstream>
12: #include <iostream>
13: #include <string>
14: #include <vector>
15:
16: using namespace std; //NOLINT
17: using namespace boost; //NOLINT
18:
19: class services{
20:     vector< int > start, end;
21:     vector< string > sname, StartLN, CompleteLN, ElapsedT;
22:     string startservice, GoodStart, allfs, fsm, startSoftload, EndSoftload;
23:     string l1, l2, l3, l4, l5;
24:     regex rs;
25:     int sofV;
26:
27: public:
28:     services() {
29:         sname.push_back("Logging");
30:         sname.push_back("DatabaseInitialize");
31:         sname.push_back("MessagingService");
32:         sname.push_back("HealthMonitorService");
33:         sname.push_back("Persistence");
34:         sname.push_back("ConfigurationService");
35:         sname.push_back("LandingPadService");
36:         sname.push_back("PortConfigurationService");
37:         sname.push_back("CacheService");
38:         sname.push_back("ThemingService");
39:         sname.push_back("StagingService");
40:         sname.push_back("DeviceIOService");
41:         sname.push_back("BellService");
42:         sname.push_back("GateService");
43:         sname.push_back("ReaderDataService");
44:         sname.push_back("BiometricService");
45:         sname.push_back("StateManager");
46:         sname.push_back("OfflineSmartviewService");
47:         sname.push_back("AVFeedbackService");
48:         sname.push_back("DatabaseThreads");
49:         sname.push_back("SoftLoadService");
50:         sname.push_back("WATCHDOG");
51:         sname.push_back("ProtocolService");
52:         sname.push_back("DiagnosticsService");
53:         startservice = ".*Starting Service. ";
54:         GoodStart = "Service started successfully. ";
55:         sofV = sname.size();
56:         fsm = "\t*** Services not successfully started: ";
57:         allfs = "\t*** Services not successfully started: ";
58:         startSoftload = ".*SOFTLOADSERVICE;Install started.*";
59:         EndSoftload = ".*ExitValue from install command : 0.*";
60:         for (int i; i < 3; i++) {
61:             start.push_back(0);
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62:     end.push_back(0);
63: }
64: for (int i = 0; i < sofV; i++) {
65:     StartLN.push_back("-1");
66:     CompleteLN.push_back("-1");
67:     ElapsedT.push_back("-1");
68:     if (i == sofV - 1) {
69:         allfs += sname[i] + " ";
70:     } else {
71:         allfs += sname[i] + ", ";
72:     }
73: }
74: allfs += "\n";
75: // rs = "\\((( [0-9]{1,} ))\\)";
76: rs = "\\((( [^()]* ))\\)";
77: }
78: void makeLsNull();
79: void setNegvalues();
80: void ServiceSuccess(string, int);
81: void ServiceStart(string, int);
82: void findOV(string);
83: void findNV(string);
84: bool SoftloadS(string, int, string);
85: int SoftloadEnd(string, int, string);
86: string Sformat(string);
87: string LFS();
88: string getfSM();
89: string getCompleteLN(int x);
90: string getStartLN(int x);
91: string getElapsedT(int x);
92: string getsr(int x);
93: string AFail();
94: string getSta();
95: string getGS();
96: void GetEtime();
97: string getL1();
98: string getL2();
99: string getL3();
100: string getL4();
101: string getL5();
102: regex getRS();
103: int sz();
104: };
105: #endif
```