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1  /*
2  * Scola Tutorial
3  * by Antoine B. Rauzy
4  * MasterThesis
5  */
6
7  domain ReportAssessment {NONE, ASK_IMPROVEMENT, APPROVED} end
8
9  block Alice
10     integer reportVersion 0
11     ReportAssessment reportAssessment NONE
12 end
13 block Bob
14     integer reportVersion 0
15 end
16
17 scenario MasterThesis
18     scenario BobLane as Bob
19         state Initial
20         split ResearchActivities
21             branch doResearch
22             branch writeReport
23         end
24         task DoResearch end
25         task WriteReport
26             set reportVersion (add reportVersion 1)
27         end
28         task TransmitReport
29             set owner.Alice.reportVersion reportVersion
30             set owner.Alice.reportAssessment NONE
31         end
32         test GotApproval
33             case yes (eq owner.Alice.reportAssessment APPROVED)
34             case no (eq owner.Alice.reportAssessment ASK_IMPROVEMENT)
35         end
36         merge CompleteMaster
37             branch researchCompleted
38             branch reportApproved
39         end
40         state Terminal
41         next Initial ResearchActivities
42         next ResearchActivities.doResearch DoResearch
43         next DoResearch CompleteMaster.researchCompleted
44         next ResearchActivities.writeReport WriteReport
45         next WriteReport TransmitReport
46         next TransmitReport GotApproval
47         next GotApproval.yes CompleteMaster.reportApproved
48         next GotApproval.no WriteReport
49         next CompleteMaster Terminal
50     end
51     scenario AliceLane as Alice
52         state Initial
53         task GetReport
54             if (or (eq reportVersion 0) (df reportVersion owner.Bob.reportVersion) (df
55                 reportAssessment NONE)) then
56                 fail
57             end
58             choice AssessReport
59                 branch giveApproval
60                 branch askImprovements
61             end
62             task GiveApproval
63                 set reportAssessment APPROVED
64             end
65             task AskImprovements
66                 set reportAssessment ASK_IMPROVEMENT
67             end
68             state Terminal
69             next Initial GetReport
70             next GetReport AssessReport
71             next AssessReport.giveApproval GiveApproval
72             next AssessReport.askImprovements AskImprovements

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72         next AskImprovements GetReport
73         next GiveApproval Terminal
74     end
75 end
76
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