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1  /*
2  * Scola Tutorial
3  * by Antoine B. Rauzy
4  * CollaborativeReport
5  */
6
7  class Person(block)
8      string firstName ""
9      string familyName ""
10 end
11
12 class Employee(Person)
13     integer number 0
14     symbol collaborator NONE
15 end
16
17 block Department
18     Employee Alice
19         set firstName "Alice"
20         set familyName "C."
21         set number 1001
22         set collaborator 'Bob
23     end
24     Employee Bob
25         set firstName "Bob"
26         set familyName "D."
27         set number 1002
28         set collaborator 'Alice
29     end
30     block Archives
31     end
32 end
33
34 class ReportWritingLane(scenario)
35     state Initial
36     test TestReportStatus
37         case my_turn (is_block report)
38         case archived (is_block main.Department.Archives.report)
39     end
40     task ReadReport
41         set report.lastReader number
42     end
43     choice IsReportComplete
44         branch yes
45         branch no
46     end
47     task ArchiveReport
48         move report main.Department.Archives.report
49     end
50     task ModifyReport
51         set report.version (add report.version 1)
52         move report (append main.Department (eval collaborator) report)
53     end
54     state Final
55     next Initial TestReportStatus
56     next TestReportStatus.my_turn ReadReport
57     next TestReportStatus.archived Final
58     next ReadReport IsReportComplete
59     next IsReportComplete.yes ArchiveReport
60     next IsReportComplete.no ModifyReport
61     next ModifyReport TestReportStatus
62     next ArchiveReport Final
63 end
64
65 scenario Report
66     scenario AliceLane as Department.Alice
67         state Initial
68         task CreateReport
69             new block report
70             new port report.version 0
71             new port report.lastReader number
72         end

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73         ReportWritingLane Writing end
74         state Final
75         next Initial CreateReport
76         next CreateReport Writing.Initial
77         next Writing.Final Final
78     end
79     scenario BobLane as Department.Bob
80         state Initial
81         ReportWritingLane Writing end
82         state Final
83         next Initial Writing.Initial
84         next Writing.Final Final
85     end
86 end
87
88
```