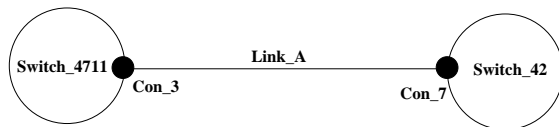


Software Engineering - Exercise Sheet 9

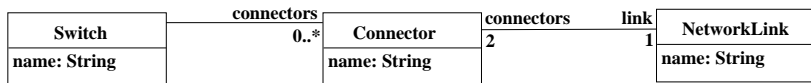
Martin Mehlmann
(`mehlmann@informatik.uni-freiburg.de`)

July 1, 2009

Exercise 1

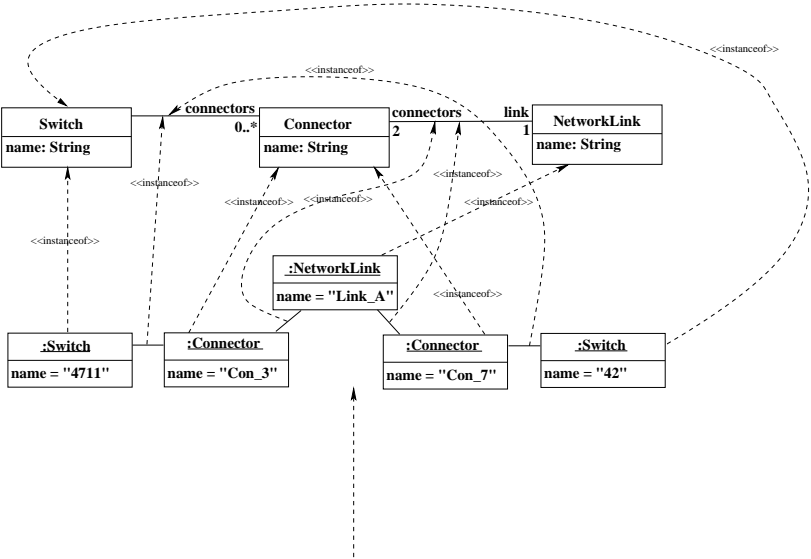


► Metamodel

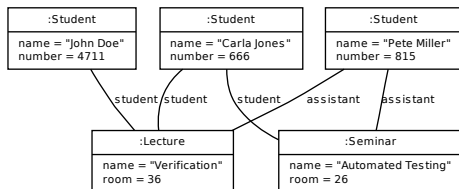


Exercise 1

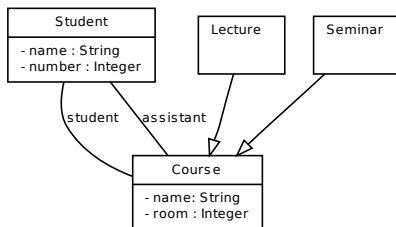
► Classifier Diagram



Exercise 2

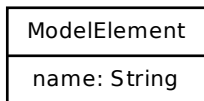


► Class Diagram



Exercise 3.1(i)

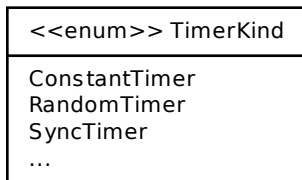
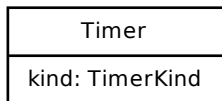
We extend ModelElement by a field `name` of type `String`



Therefore we are able to name modelling components.

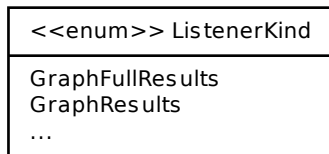
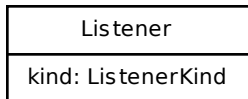
Exercise 3.1(ii)

We introduce a new enumeration `TimerKind` and add a corresponding field `kind` to the `Timer`



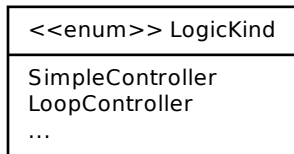
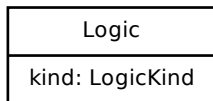
Exercise 3.1(iii)

We introduce a new enumeration `ListenerKind` and add a corresponding field `kind` to the `Listener`



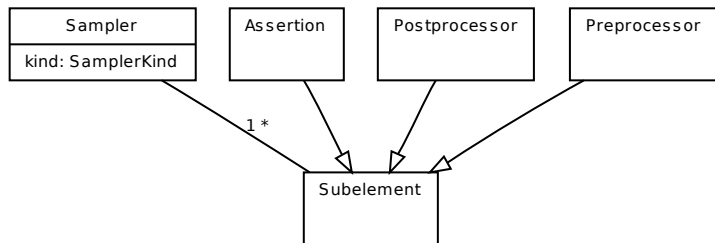
Exercise 3.1(vi)

We introduce a new enumeration `LogicKind` and add a corresponding field `kind` to the `Logic`

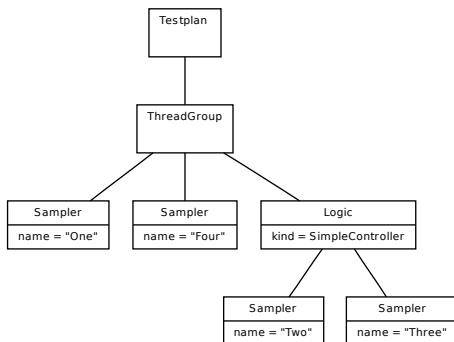


Exercise 3.2

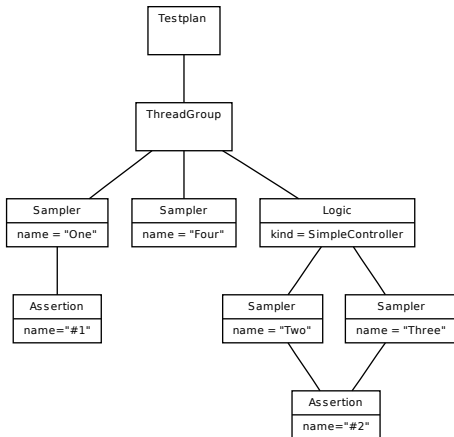
We extend the model by a component `Subelement` and add a `1..*` relation between `Sampler` and `Subelement`. Then, we add the subcomponents `Assertion`, `Preprocessor` and `Postprocessor`.



Exercise 3.3 (a)



Exercise 3.3 (b)



Note that the concrete and the abstract syntax differ slightly here.

Exercise 3.3 (c)

