

SMDP Exercises 4

Model Driven Development, IT-University of Copenhagen

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Conceptual Model

I used the provided model from “dk.itu.smdp.junit.conceptModel” project.

Constraints

I implemented and tested the suggested constraints:

```
class Constraints {  
    /* To solve the exercise, just replace the "true" constants  
    * with suitable expressions and test them with some instance data */  
  
    def static dispatch constraint (Fixture it) {  
        // in every fixture, an after method has a suitable After annotation  
        if(after != null)  
            (after.annotation instanceof After)  
        else  
            true  
        &&  
        // every before method has to be annotated with a Before annotation  
        if(before != null)  
            (before.annotation instanceof Before)  
        else  
            true  
    }  
  
    def static dispatch constraint (Suite it) {  
        // the collection of tests have to be a subset of the inherited collection of methods  
        methods.containsAll(tests)  
    }  
}
```