Mathematisch–Naturwissenschaftliche Fakultät
Fachbereich Informatik (WSI)
Praktische Informatik
Prof. Dr. Klaus Ostermann

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Homework Assignment 8
Software Design & Programming Techniques (WS2014)

This week we want to discuss the paper "Scalable Component Abstractions" by Martin Odersky and Matthias Zenger (2005). Every student should hand in his/her own summary. Please feel free to ask questions before handing in the summary. The deadline for this assignment is Dec 18, 23:59. Hand in the assignments via email to jonathan.brachthaeuser@uni-tuebingen.de.

To avoid confusion: The paper uses `class A requires B {}` as syntax for self type annotations. This syntax is deprecated and replaced by `class A { self:  B => }` with `self` being an identifier that can be chosen by the programmer.

It is not necessary to read the Appendix.

1   Scalable Component Abstractions

Please write a summary for the paper with around 500 to 1000 words in total. You are free to write the summary in english or german. The summary may contain:

1. Title and author of the paper and the name of the student.

2. A brief abstract (3 to 6 sentences) summarizing the whole paper. The abstract should reflect *your view* on the paper. Just translating or copying the existing abstract does not fulfill the purpose.

3. Your evaluation of the paper: Is the content relevant? What are the implicit assumptions - do they make sense? How is the solution of the paper validated? How trustworthy is the evaluation of the authors? What are possible restrictions or problems that are maybe not discussed in the paper?

   (a) What did you find most positive?
   (b) What did you find most negative?

4. Did you have problems with understanding the paper? Do you have specific questions that we can address?

5. What do you want to discuss?

http://lampwww.epfl.ch/~odersky/papers/ScalableComponent.pdf