Advanced Software Engineering

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Reading Assignment: Agile Software Development

1. Mandatory preparation tasks (to be done PRIOR to the lecture)

- Read Chapters 1 and 2 in [Wolf, Roock and Lippert 2005], or something comparable in another book on Extreme Programming, or the tutorial at http://www.extremeprogramming.org/.
- Familiarize yourself with the Scrum method (read [Rising and Janoff 2000], browse web resources listed below)
- Read [Williams et al. 2000] about pair programming experience.
- Be prepared to
  - answer questions about XP and SCRUM in class,
  - actually conduct an agile mini-project.

2. Lecture

There will be no classic lecture. Instead, we will first discuss the topic based on your reading. Then you will conduct an agile mini-project.

References

L. Williams, R.R. Kessler, W. Cunningham, R. Jeffries (2000). Strengthening the Case for Pair Programming. *IEEE Software* **17**, 4. 19-25.

L. Rising, N. S. Janoff (2000). The Scrum Software Development Process for Small Teams. *IEEE Software* **17**, 4. 26-32..

H. Wolf, S. Roock, M. Lippert (2005). *Extreme Programming: Eine Einführung mit Empfehlungen und Erfahrungen aus der Praxis*. 2. Auflage, Heidelberg: dpunkt.

Web resources

http://www.extremeprogramming.org/
http://www.agile-process.org/
http://www.scrum.org/
http://www.jeffsutherland.org
http://www.controlchaos.com/

Please note

[Wolf, Roock and Lippert 2005] seems to be currently unavailable in the IfI library. We have a few photocopies of Chapters 1 and 2 available. Furthermore, this book is available in the ETH library.

Articles in IEEE Software can be downloaded for free from http://ieeexplore.ieee.org if you access it from the uzh.ch domain.