

Practical Course eXtreme Programming

Aug. 29 to Sep. 28, 2007

For CS students from:

- RWTH Aachen
- University of Bonn
- B-IT Media Informatics

Organized by

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What is eXtreme Programming?

- XP is an *extreme way to develop software in a team*
 - Extremely **lightweight**
 - Extremely **efficient**
 - Extreme **low risks**
 - Extremely **flexible**
 - Extremely **predictable**
 - Extremely **scientific**
 - Extremely **funny**

How does it work?

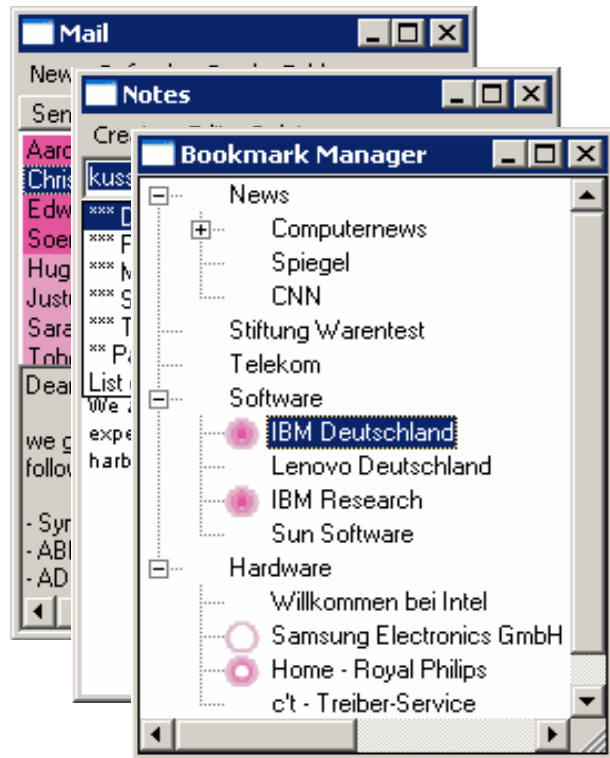
- Things, you're gonna learn in the lab:
 - Project Planning with Story Cards
 - Test-First Development
 - Iteration and Release Planning/Steering
 - Stand-Up Meetings, Burn-Down-Charts
 - Simple Design, Agile Refactoring
 - Pair Programming
 - Collective Code Ownership
 - ...

What is the team you're working with?

- You! (students)
- People from the Context Sensitive Intelligence Project
 - funded by Deutsche Telekom Laboratories
 - focuses on
 - context-sensitive adaptations
 - the developer view
 - aims for
 - minimal anticipation
 - automatic adaptation

What have we developed?

- CSI-Customer requested products:



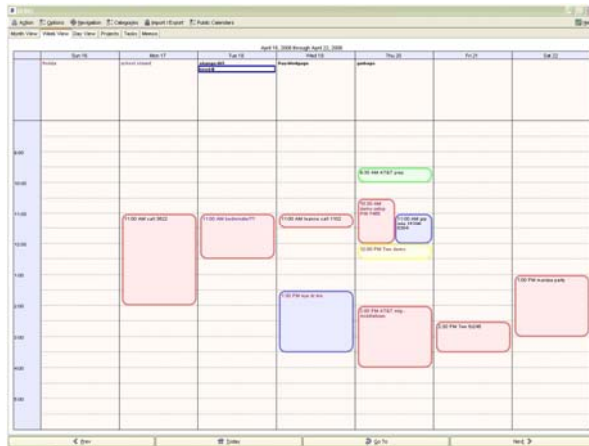
Fall 2005: An adapting location-aware Personal Information Manager

**Fall 2006:
A Context Sensitive
Bike-Tour-Navigation**



What are we developing this time?

- Customer has developed tools, to condition existing applications for adaptation
 - Integrated into Eclipse
 - Focusing on Design Patterns, Services, Aspects, and Annotations
- Customer wants to evaluate these tools



- Example:
 - Existing calendar application needs to be made adaptive to support other usage scenarios.

The scenario

- Use case: **Adaptive Mobile Gaming**
- Mobile Games:
 - PDA/UMPC based
 - Use context data
 - Augment reality



supported by:



Organisation

- Preliminary Presentation:
 - **Wednesday 2007-05-09, 11h00, A121, Römerstraße 164, Bonn**
- Requiriements
 - Short application via Email
 - After the Preliminary Presentation
 - Collective preparation of the lab
 - 2-3 mornings during the semester
- Contact:
 - <http://roots.iai.uni-bonn.de/teaching/praktika>
 - xp-organizers@iai.uni-bonn.de

Lab date:
29.8.-28.9.07