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
  – ...

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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

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supported by:
Organisation

- Preliminary Presentation:
  - Wednesday 2007-05-09, 11h00, A121, Römerstraße 164, Bonn

- Requirements
  - 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