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Introduction

• Mondays 10:15-12:00 INF1 & INF3

• Exercises:
  – Done individually, not graded, useful for the exam and project.

• Project:
  – In a real world scenario you will apply techniques that you learn during the lectures (learning by doing),
  – Team work (max 3 students per team),
  – 3 phases, each graded separately
  – IIS grade = project*50% + exam*50%

Infrastructure

• 6 Linux machines (IIS server machines)
  – Java, MySQL, Ant, Axis2
  – \texttt{lsir-cis-pcX}

• x accounts per machine

• 1 account per team; only valid on a specific machine

• Use INF machines to access IIS machines via \texttt{ssh}!

• Feel free to use your personal machines
**Team**

- **Project:**
  - Eda Baykan (Phase 1)
  - Heinz Stockinger (Phase 2)
  - Christopher Ming-Yee Iu (Phase 3)

- **Technical questions etc.**
  - Christian Abegg (Student Assistant)

- **General inquires:**
  - Heinz Stockinger

**Communication**

- **During the project sessions, Mon10-12, INF1&3**
  - Headquarters in INF1 ☺

- **Webpage:** check it regularly for updates
  - Isirwww.epfl.ch -> students -> iis
  - Please read it

- **Newsgroup:** epfl.ic.cours.IIS
  - Use it whenever you want to ask a question!

- **E-Mail:** personal questions and appointments.
  - Please add “[iis]” to the subject
Exercises: do I have to do them?

• 4 exercises during the semester
• Not graded, but good to follow to understand the lectures
• Solutions are published on the Web page with 1 week delay
• You will have to solve related problems in the exam…

Project
Project: Introduction

• 50% of the overall course grade => important
• Similar to real projects in many aspects
  – Good practical experience
• Learn (practice) new technologies
• Requires:
  – Collaboration and team work
  – Time investment
  – Tackling of practical problems
  – Keeping a tight schedule & reporting

Project: What is it about?

• In short: it is about
  – Creating a database for a start-up company
  – On-line trading of goods
• Challenges you will have:
  – Design a database for a start-up company
  – Fill the database with data
  – Design/implement a Web service for
    • your company (traders and consumer)
    • A bank (for money transactions)
  – Interact with other Web services
Project: Grading

- Project is divided into 3 phases
- Each phase is graded separately
- **Discussions:**
  - Affects the grade
- **Project meetings:** for design
- The overall project grade is \(35\% \times \text{Phase1} + 25\% \times \text{Phase2} + 40\% \times \text{Phase3}\)
- The report/deliverable deadlines are **strict** (see the Web page)
Project: Start

- You have to form a team of 3 people.
- Each team creates a start-up company
  - You can decide what your company sells

- You have to subscribe your team until
  - Monday, 25 February 2008, 11:00
  - Send team information via e-mail to your lecturer
    - Needs to include all email addresses of team members

Project Phase 1: Create start-up company

- Tasks:
  - Team formation
  - To get familiar with the infrastructure
  - To design and implement a database for the chosen company (*database design/implementation*)
  - To implement a client tool to fill in the database (*Java, SQL*)
    - About 100 goods should be provided
    - Use several tables (HR department, Production, etc.)
- Deliverables: Report + code
Project: Phase 2
Design and Prototype trading place

• Interactive phase
  – Project meeting + interface discussion

• Tasks:
  – Design and propose interfaces (WSDL) for:
    • Company for trading
    • Bank (for money transfer)
  – Create and deploy a prototype Web service
  – Design and prototype trading interface (Web interface)

• Deliverables:
  – WSDL + prototype server

Project: Phase 3
Implement and Deploy trading place

• Tasks:
  – Create a Web service client to retrieve data from another team and bank
  – Implement trading interface
  – Data exchange and storage in own service

• Deliverables:
  – Final Report
  – Fully working code (Web service)

• Final trading game
### One lecture will be on Wed (14-05-2008) - objections?

**Thu 22-05-2008** Phase 3 due (17:00)

**Mon 26-05-2007** Project finalisation/trading (8:15-12:00 INF1)

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## General Recommendations

- **Use forum (newsgroup) whenever possible**
- **Read the instructions on the Web site carefully**
- **Read the documentation (MySQL, Axis2, etc.)**
- **Respect the deadlines:**
  - any delay will affect your grade
- **Be inventive!**
  - Non standard solutions, solving extra problems, constructive feedback is encouraged. Get bonuses!
We hope the experience you will gain during the course will be useful.

Good luck!