



Organizational Meeting Database Labcourse

February 01, 2018

Coordination

- Prof. Alfons Kemper, Ph.D.
 - Dr. Angelika Reiser
 - Michael Schwarz
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- Bachelor Practical Course
 - Master Practical Course

Basic Points

- **Weekly Meeting:** Wednesday, 4 – 6 pm
- Ted Codd Seminar Room: MI 02.09.014
- Database system PostgreSQL – own computer needed
- Install virtual machine for DBS and web server

Content

- E/R Modelling
- **Group Project** Modelling: Information analysis and conceptual schema design
- DDL and DML
- referential integrity, triggers and constraints
- Views
- Transaction concept
- System catalog
- Performance tuning

Content cont.

- **Team Project** Modelling: Schema consolidation
- JDBC, object persistence
- Servlets, JSPs, JavaBeans, HTML5, ...
- Design pattern: Model-View-Controller
- **Team Project** UML Modelling of an MVC application
- **Final Team Project:** MVC Implementation

Prerequisites

What to bring and to use:

- Basics of databases (GDB)
- Modeling, Software Engineering (EIST)
- Java (Info1, PGdP)

Organization

- Groups of 2, Teams of 6
- First half of the semester
 - Weekly meetings
 - Weekly assignments
 - Grading of the assignments
- Course management tool Moodle for course documents, assignments, announcements, ...
- help desk

Grading

- Midterm exam (written): SQL + JDBC
 - Presentations: E/R modelling, UML modelling, final project (always as the team)
 - Assignments
- see db.in.tum.de/teaching/ss18/imlab

Registration via the matching system!

(Please register for as many courses as possible!)

Register on the sheets to show that you have been to this meeting
(for our prioritization in the matching)