Course PM DAT076/DIT126, 2013

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Course pages	http://www.cse.chalmers.se/edu/course/DAT076/	
Lab assistants	See course page	
Student repr.	See course page	

Content

Overview of the (very fast changing) area. Examples of a few different approaches;

- The Low level request/response approach.

- The Web Services (REST) approach.

- The Component based approach.

- Web application back-end, persistence.

- Real Time Web possible emerging technologies.

Practical design/implementation in Java Enterprise Edition and HTML5 (JEE/HTML/CSS/JavaScript/XML). Knowledge of standards. General experience working with complex systems.

Literature

Recommended (most of content can be found on Web.

Beginning Java EE 6 Platform with GlassFish 3, from Novice to Professional 2nd edition, *Antonio Goncalves, Apress*. Excluded topics in book are;

- Ch 13-14, all of it.

Environment

Course assumes Linux but most (all) should work well on other platforms. Course is based on open source software. Everything can be downloaded. We use;

- Java JDK 1.7 update 17 or later.

- JEE 6 development environment and servers (there's a bundle including NetBeans 7.3, Tomcat 7.x and GlassFish 3.1.2 to download). See netbeans.org

- Maven3 (also in bundle).

- The Derby database also known as JavaDB, in bundle.

- Web browsers Firefox > 3.0 with Firebug plugin and/or Chrome.

- Git version handling

Lectures

Traditional lectures with slides, code samples and demos (hopefully on the course page at least the day before).

NOTE: There are few pictures/drawing in the slides. The pictures/drawings (trying to explain design/flow etc.) will be made during the lectures. If you can't attend ask someone!

Workshops

The course has five workshops exercising the topics presented.

- **The first four workshops are mandatory** (some selected exercises are optional).

- Every workshop has a deadline. Try to report finished workshops as soon as possible to avoid flooding of the system.

Workshop reporting

The workshops are reported during the lab sessions (run it, some code inspection and some oral questions).

Project

There's a finishing group project scheduled for the last 3-4 weeks. See Project PM.

- The project is the **basis for the course grading**.

- Grading is assigned to the group i.e. all members normally get the same grade. In some hopefully rare cases there can be deviations.

Project reporting

See Project PM.

Examination

To pass the course you need to;

- Handle in the self-evaluation (see course page > project).

- Pass the workshops.

- Pass the project.

Grading

Course grade is given by the project grade.

- Project grades

Points	Grade CTH	Grade GU
0-29	U	U
30-39	3	G
40-49	4	G (-44p)
50-60	5	VG (44-p)

- For grading details see ProjectPM

Schedule

See course page.