

Web Applications 2017

Presentation

Teacher and TA's

Joachim von Hacht, hajo@chalmers.se

- Course responsible
- Examiner
- Lecturer and teaching assistant (TA)

Other TA's

- [Daniel Hausknecht](#), Phd Chalmers
- Adam Waldenberg, [Ejwa Software HB](#)

Languages: Mostly
Swedish spoken, English
written

Goal

Practical introduction to web applications

- How to design and implement
- “Snapshot” of current status of selected parts of area

After course you should be able to implement a small-midsized full stack web application with a fair quality (a sound design)

Course Characteristics

Course is exploratory

- Area is moving very fast, not possible with fixed "technical" content
- General ideas, principles presented but...
- ... you have to fill in the details.
- Some techniques briefly presented as "workshops"

Course reworked this year, ... issues may pop up, check course page for info.

Content

At a glance

- Basics: Platforms, HTTP, HTML, CSS, JavaScript
- Server side MVC (frameworks) and databases
- REST, Client side MVC (and frameworks)
- Server and client side GUI components, websockets, misc.

Guest lectures

- Web security, Daniel H.
- How to survive ..., [CANEA](#)

Workshops

- 2/week (matching the lectures), 2 stud/group
- Mandatory (report during lab sessions)

A Project ... (next slide)

Project

Group of 4 students select some web application project. Group deliver project as a full stack web application

Course grading based on project ...

- Quality
- Functionality

.. and individual Contribution

Final grade: Project +/- individual contribution

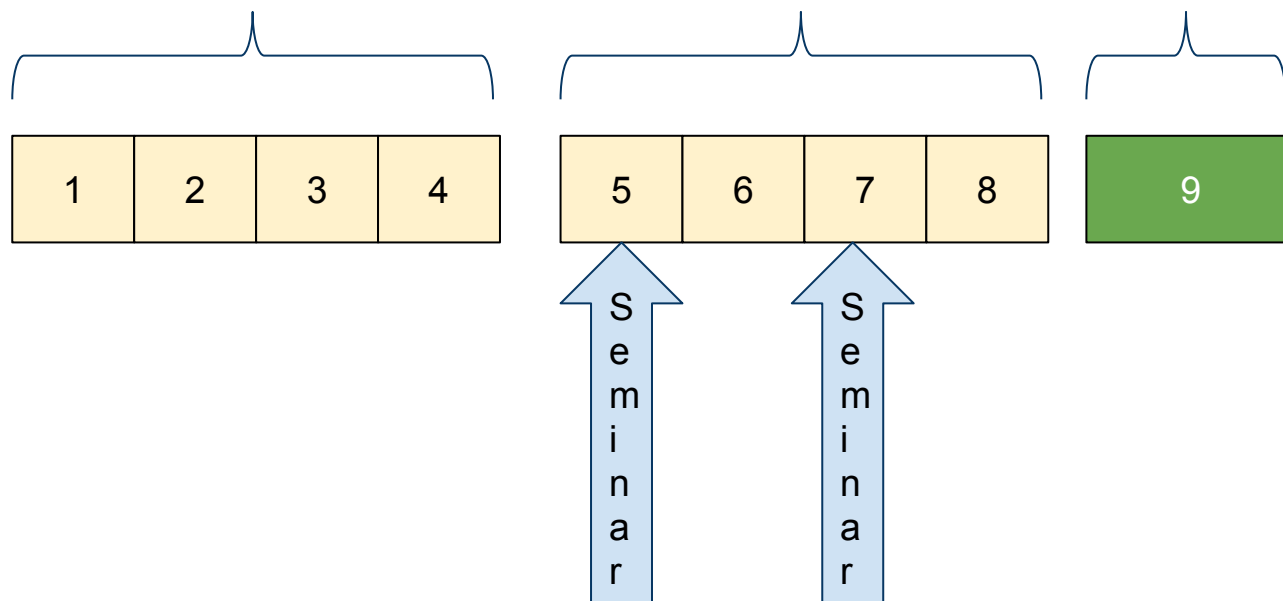
Roadmap

Study weeks

Lectures and workshops
Project planning

Project work.
Guest lectures

Project demo
and delivery



Resources

No book

Course page

- Lecture notes
- Everything you need for the workshops!

Web is the resource

- Links on course page (a few general), in lecture notes and in workshops PM's

Tools

Assumed browser is Chrome

Many command line tools (normally easiest from Unix environment)

- curl, node, npm, hs, ...

Use any IDE

- Atom, Brackets, IntelliJ, NetBeans, ...

Groups

Start forming groups today!

- Project idea not needed for now.
- We need:
 - Member names, person number and mail.
Possible phone to someone (only for crisis)
- ASAP mail info to hajo@chalmers.se
- You will get an project number as confirmation!
- Keep it, will be referenced in seminar, presentation schedules etc.

QA

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