



Information Systems (IS) Project

Wintersemester 2014/15

Databases and Information Systems Group (DBIS)

TU Kaiserslautern

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Aim of This Project

Overall, to implement a full-fledged Web search engine (WSE).

Apply and strengthen knowledge on basic DBIS topics.

Learn and apply novel concepts of information retrieval (IR).

Organization: Team

Databases and Information Systems Group (DBIS)

- Prof. Dr.-Ing. Sebastian Michel
- MSc Evica Milchevski
- MSc Koninika Pal
- MSc Kiril Panev

For email addresses and rooms see websites:

<http://www.lgis.informatik.uni-kl.de/cms/dbis/staff/>

Organization: Assignments

- There will be 4 assignment sheets throughout the semester
- First one is handed out today.
- Sheets will be available on website or distributed via email.
- Three weeks between the assignment sheets.
- Four weeks to hand in the solution (exact deadlines written on each sheet).
- Each group has to hand in one solution to each sheet.

Organization: Groups

- Each group consists of two students.
- Will be formed during this kickoff meeting.
- Each group gets assigned one primary tutor.
- Each group member is substantially involved in providing the solutions (see, grading and exams).
- Groups work independently.
- Each group has to hand in one solution to each sheet.

Organization: Assignment Sheets

Each assignment sheet comes with

- Well, assignments
- Questions: Sample questions that should trigger thoughts on. These are also examples of questions we could ask in the review meetings.
- Hints that..... Like, you should better use a library, you can use XPath to get HTML links out of HTML documents.

Organization: Reviews (aka. Exams)

- There will be a review meeting, for each group individually, a few days after the solutions deadline.
- This has the character of a code review and at the same time oral exam.
- That is, there are 4 oral exams throughout the semester; there is no final oral or written exam.
- During these meetings, the solution (implementation) is to be demonstrated.
- Questions will be directed to the entire group or to a specific, individual student.

Organization: Grading / Passing

The grading is done on an individual basis, i.e., separately for each group member.

Grading/Assessment based on

- Quality and completeness of handed-in code.
- Ability to explain code, respectively the entire approach/setup.
- Ability to answer and discuss questions raised on assignment sheets,
- and the performance in related discussions with respect to the project.

Passing

- Both group members need to show equal performance/participation
- Passing each review meeting is sufficient for overall passing.
- However, one failed review meeting leads immediately to failing the entire project.

Organization: How to Fail the Project

- Miss a submission deadline.
- Copy code from your fellow students: if two groups show the same code, both groups fail.
- Copy code from Web sources: use of libraries mentioned in the assignment sheet is fine. If you have questions, better ask us before.
- Being not able to explain your submitted code.
- Being not able to answer conceptual questions related to code, setup, approach.

How to Approach Assignments

- There are, on each sheet, several assignments that are (fully) orthogonal.
- For instance, the Indexer and the Crawler. Although they “talk” to each other. This is ideal, to split the work among the members of a group.
- But remember that each group member needs to be aware of the implemented solution.
- Assignments are not overly tightly specified. There are very few places where we specified specific interfaces or data formats. In all other parts, you are free to realize your own solution.

Your Tutor

- Each group gets one specific tutor assigned.
- Your tutor helps with questions regarding the formulation of assignments, i.e., clarifications. If you have such questions, send an email first. If it cannot be resolved by email, make an appointment for a meeting.
- Use the prefix **[is-project]** in the email subject field.
- We will collect frequently raised questions together with answers/hints on a separate website/wiki.
- Your tutor is not there to debug your code.

Programming Language

- Java 8
- We give pointers to libraries you might want to use as there are certain things no one needs to implement from scratch.
- The use of any other library is prohibited. If you believe that a certain library is helpful without solving the assignment already—completely or to a large extent—let us know. If we agree, we will inform all participants that it is fine to use it.

Submission of Code

- We provide a subversion repository for each group.
- To submit your code according to the deadlines, make sure you have committed all changes (don't forget not-yet-added files) to svn and send us an email with the revision number to be considered as your solution—before the deadline.