in.Crease-Reg: Design and implementation of a web application for student regulations

Imagine you could read all regulations of your study program online. You could see diffs to previous version, see only the paragraphs that matter to you, and you can follow links to referred paragraphs and even other regulations. Official comments may explain complex wordings.

Project   **8/16 CP**

Sounds interesting?

You could work towards that with this project. As part of the in.Crease web application, we want to create a regulation module that does exactly that.

Technologies in use are among others Angular, TypeScript, Node.js and PostgreSQL. The project has to design the user story, the user interface, the interface between frontend and backend, the data model, and the caching strategy for improving server performance. A lot of previous thoughts are available as a starting point, as is a framework of components for the UI, e.g., a sophisticated tree component and the main component to select context and the type of module of the service.

As the envisioned service is rather complex, this topic could easily be split among multiple students or into multiple parts for a single student. Pairs of students are also welcome.

Knowledge about UI, Angular, JavaScript or database development are helpful but not required. Supervision and report can also be done in German.

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If you are interested or you need additional details, feel free to contact me or drop by for a non-binding chat.