Bachelor's Thesis
Fill-in-the-blanks Questions for the Online Exam System Xaminer

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The exam system Xaminer is used by the Institute for System Software and other institutes to provide online exams for students. To improve the experience for both, lecturers and students, the system is constantly being improved and extended. Especially fill-in-the-blanks questions are currently missing.

The goal of this thesis is to introduce this question type to the system. The student has to develop convenient editing features to allow lecturers to easily define fill-in-the-blanks questions. For this, lecturers should be able to provide a reference solution to a given question and then should be able to select those parts of the solution that should be displayed as blanks during the exam.
Besides blank text areas that have to be filled out textually by the exam taker, lecturers should also be able to define "dropdown blanks". For this kind of blank the lecturer provides a number of possible solutions, out of which one has to chosen from a dropdown input element by the exam taker.

Modalities:
The progress of the project should be discussed at least every three weeks with the advisor. A time schedule and a milestone plan must be set up within the first 3 weeks and discussed with the advisor. It should be continuously refined and monitored to make sure that the thesis will be completed in time. The final version of the thesis must be submitted not later than 31.09.2022.