

User story: Self-study

Lisa is a student of medicine at RWTH Aachen University. As it is common in this study programme, she uses the scripts provided by the lecturers as well as some books to study for exams. Sometimes, she can also work with some physical models at the lab and understand with their help how the human body operates. This works quite good for her, but as the lab resources are very limited, she has not always access to the models and has to share them with other students. Then, the images in the books have to suffice.

It would be much easier for Lisa if she could study at home at her own time and speed and nevertheless have realistic models which can be examined from every angle. When she swipes with her finger in any direction, the model should rotate in this very same direction. When she zooms in or out the model should be displayed bigger and in more detail or smaller with less detail respectively. In this way, it is possible to read about a part of the examined body part in the script and then look at it on a tablet/phone/computer or the other way round. By having a visualization apart from only (textual) information, Lisa would be learning much easier.

A nice to have functionality would be to get the name in a small info box when clicking/tapping on part of the model. Then it can easily be checked that one is able to assign the terms accordingly.

If this is possible, Lisa would like to additionally have the possibility to take notes to a specific part of the model, e.g. to write down a short explanation of the functionality for revising the subject matter for which the books are not necessarily still needed.

It will also be possible to study different subjects with this technique, it does not have to be medicine.