

Semester project



Case 1

Beercalc

Beercalc needs a interface for the mobile phone user.

It must have easy access to timers and you can change the amount of end product and the recipe will follow. The units must be able to change from European to american. <https://haandbryg.dk/cgi-bin/beercalc.cgi>



Case 2

Student check in

An app where students check in when they arrive at school. Maybe even automatic checkin dependent on wifi. for absence registration.

Statistics in database is required and minimum of the statistics is shown in the interface like number of days not in school compared to schema (xml ??)

Description and requirements

Select one of the above cases for your semester project.

1. Use Xamarin for development of an native app
 - a. You can choose either IOS or Android as platform. Both platforms are very difficult to do in time, BUT we program so we are ready for cross platform
2. You will decide the design.
 - a. Document why your design is working
3. You will produce a workable prototype and document test of the prototype with video
4. Present project description and wireframes when ready to mdam. You are responsible for arranging the meeting with mdam.
5. Make plan for who will be responsible for what in trello and add me so I can see it.
6. Make Database and API as you like (headless CMS is ok or other)
7. If you need to reduce parts of the assignment to complete in time you talk to Mdam about what can be reduced in your case. If Mdam don't agree on removing parts of project before handing in, then everything missing will bring down the grade.
8. Follow the template for papers from MIT when writing the report.
[Template Link](#)
9. Write about design decisions, xamarin development decisions, test, result and evaluation. (What could have been done better. How would you do it next time)

Deadline

15 Dec. 2017 - 13.00 in wiseflow

This is a mandatory task. If you don't hand in or don't get approved you will not be able to go to the exam and therefor have used an exam attempt. The Project and the report will be used in the exams, so make an effort and the exam in mobile development will be much easier for you.