**Project description**

For the project of module 4 we chose to take on the challenge from Sqills to make a meeting room booking system for them. For the requirements of the project we went to the Sqills headquarters and had an interview with a spokesman from Sqills. From the interview it became clear very fast that they wanted a system which was very simple and clear, so their employees would actually use the system. Their idea was to mount tablets next to the doors of their meeting rooms on which you could see whether the concerned room is currently booked, when the next booking is for that day and functionality to book that room for that day. Next to the tablet view there should also be an interface which you could access from a desktop or laptop. On these devices an employee should be able to make bookings in advance for the next week for example and also recurring bookings.

Currently, Sqills uses Google Calendar to schedule meetings for their rooms. They have seperate timetables for each room and their employees do not use it as they want it too, because you have to make a lot of effort to get a booking for a meeting room. You have to log in, dig through all the rooms to find a free room for a certain time slot and then book it. The system we're currently implementing for them takes this problem (partly) away. If you want to get a room quickly, you just walk up to the room you want to have, fill in your name choose a meeting duration, and then the room is all yours provided there there is no meeting scheduled currently. Of course if you want to book rooms in advance you still would have to go to your device, log in and book the room. Sqills want us to integrate our system with Google Calendar eventually.

For this project we will use the tools specified in the project manual. As a CSS framework, we will use a combination of Bootstrap and Sass (which is actually an interpreter).

**Must have Requirements**
- See today's bookings for one specific room from tablet
- Create booking for a specific room from the tablet
- cancel bookings
- From tablet: if room is booked: show which other rooms are free and do bookings from there
- mark meetings as private.
- See who is currently in the room from tablet, unless meeting is private
- From desktop: overview of bookings
- create bookings in advance from web interface (maybe google calendar)
- moderator/administrator mode to cancel bookings
- Google calendar integration
- Invitation of other participants to your booking
- Participants also get a booking in their google calendar.

**Optional Requirements (nice to have)**
- From tablet: when booking, allow user to enter email (with autocomplete). If no email is filled in, do booking from special "tablet" account
- make tablet view of 1 room pretty and pleasing to use
- Desktop overview of bookings could be replaced by calendar. Maybe use map of building?
- Recurring bookings (no effort at all when using google calendar)
- email reminders for people who made bookings
- show bookings of other rooms from tablet
- create booking from google calendar
- authenticate users through google accounts
- Very very optional: ensure fullscreen mode on tablet (could be done easily in newest Android version)