Who's Here!

By Veera, Sophie & Lucas **A Digital Attendance Monitor**

Goal: To make checking class attendance easier and more effective by registering using RFID cards.

Method: Using RFID from cards (e.g. HSL) to connect to our device. Our device registers the identifier given, and shows attendees' names on a screen or website (needs login).

1. The device is given a set of data (names and student numbers) of the students registered to a specific course. Each classroom has its own small *Who's Here?*-device.
2. On the first session of a course that has mandatory attendance, students point their RFID card at the *Who's Here?*-device.
3. At all following sessions, the device is available for RFID connections of the student's cards, and registers their attendance to a database.
    a. In the classroom there might be a screen where you can verify that your attendance was registered.
4. In the end of each session, teachers log in to the website and gets a list of the students who attended that session.

Interview questions for teachers:

1. How do you normally make students show they're attending your lecture?
2. Have you come across difficulties in checking attendance? What type?
3. How do you think technology can help with checking attendance?
4. What do you think about students registering to a class with RFID?
5. What are your thoughts about the usability of this device? Do you see yourself using this?
6. What do you think we can add to our project?
7. How would you like the registration / getting started flow to be? How do you prefer to receive the resulting data?

Interview questions for students:

1. How do you normally show that you're attending a lecture?
2. What has been the best way to verify your attendance so far?
3. What do you think about registering to a class with RFID?
4. This is a prototype project but how do you think about sharing some of your personal data (name, student number, and RFID card ID) with our device/project?

5. What are your thoughts about the usability of this device? Do you see yourself using this?
6. What do you think we can add to our project?

Interview 1

Interviewer: Sophie
Interviewee: anonymous DSD student

Question 1: How do you normally sign your attendant in a class?
sign names on paper or teacher called students by their names
Question 2: What has been the best way to sign in so far?
didn't have any
Question 3: How do you feel about the way teachers check class attendants so far?
Not efficient. Students have to hand the paper around the class if someone comes late, student has to interrupt their studies and hand the paper to that person
Question 4: What do you think about signing a class with bluetooth? Do you think using bluetooth is a good choice?
Cool idea. But how many can connect to the bluetooth device at the same time???
Question 5: This is a prototype project but how do you think about sharing some of your personal data (name, student number, and bluetooth ID) with our device/project?
Ok
Question 6: What are your thoughts about the useability of this device? Do you see yourself using this?
If the device works as it supposes. The interviewee definitely use it
Question 7: What do you think we can add to our project?
Nothing to add

Salu:
Q1: Pen and paper
Q2: The paper not circulating well enough
Q3: Yes, it might do. At least for the purpose of this course.
Q5: Pretty good, if the data can be transferred easily from e.g. MyCourses or Oodi.
Wants the students' ID card numbers to pop up on the website easily for drag and drop.

The output of the data should be in a format parsable with MyCourses or similar.

Susan:
Q1: Pen and paper, optionally the MyCousers. Benefit of this is learning the names
Q2: Double-work when transferring to MyCourses. People showing up late.
Q3: Maybe, not sure if it's actually needed.
Q5: Problems when the user forgets what card was used or forgets the card, or "oh I was there but didn't remember". Flow simple enough.
Q6: No screen needed x2.