Weekly Notes – 18/03/2019

Showing Demo 2 to the TA
We fully showed the full implementation of demo 2:

- The transfer from client to server by a button press;
- The total career being saved to the default user in the database, however the actual transfer itself should also be stored;
- The forwards and backwards transferring being done by transferring it as a JSON Object;
- Testing was also shown, the TA recommended that we should reach a higher branch coverage and make sure that we add more testing on the client-side.

Planning for Demo 3
We should aim to finish Demo 3 in two weeks. This way we still have time for the remaining work that has to be finished. So we will aim for atleast four out of six different options for a GoGreen-Transfer.

Mandatory Implementation
1. For transport we will make the 'bicycle instead of the car'-savings, since this will be the easiest to implement for transport. (Calculated in the database);
2. We can also compare the other vehicles after implementing the comparison between the vehicles, since bicycle would have the same fields as any other vehicle. (Calculated in the database);
3. We will also finish the solar-panels and if we still have time, then we can also make the implementation for room-heating. Since these take the same kind of code to be send through the database;
4. Vegetarian meal needs adjustments, since we want the data to be calculated through the server instead of the client.

Gamification
Different users are made through distinct usernames, the different usernames will be able to be linked through a friend table to make different accounts friends, through this you can make the CO2-saving more competitive.

Achievements are also present in the database as a table, which will be updated upon receiving different values within the database. We will have a pop-up window, which shows the achievements. These are given through pressing a button requesting for the current status of the user's achievements in the database.

Necessary transferred variables
- Transport: vehicleUsual, vehicleTaken, distance.
- Solar-panels: amountM2 (Database contains the averagekWh and the date by itself).
  For adding solar panels, all you send it the username and extra amount of added M2.
- Room-heating: sizeOfRoom, temperatureDifference, hoursPassed.

Small point

- We can change the check style for testing, as long as the changes of the check style make sense.

Direction for this workweek

- Rahul: Working on the server and upgrading the security.
- Zhao: Adding the login and implementing more basic features.
- Jan Pieter: Working on the server and adding the implementation for Solar Panels and if enough time the house-warming.
- Atanas: Designing new screens and changing the input.
- Nik: Work on the tests and server.
- Alin: Searching for other contributions other than testing.
- Giovanni: Upload the further changes to the database and working on the server / property-files for each feature.