Sprint 1

Dates	Updates
Day 2	The DAI team stated that they are progressing well, but starting to get hindered by the fact that they do not know what data will be sent from the IoT team. The Android team is doing great for now and are already starting to work on the web API connection between the data server and the APP. The IoT team is still staying positive and starting to research by themselves how FreeRTOS works, so that they can start working on their part of the system.
Day 3	The DAI team stumbled into a problem as they received dummy data which was structured differently from the DS model they created for the source database. So the plan for this sprint day is to rethink the DB model and figure out which approach they should take. The Android team designed all the views for the sprint and the plan for the day is to make some unit tests on the implementation and do the rest client. Two extra requirements were added to the sprint backlog as the team suggested that they would not have enough work for the day. Overall no issues from their side. The IoT team was helping the rest of the teams with their problems and implementations last time and could not do much on their side of the project due to lack of hardware. The plan for today is to create the C project and to start working on the class diagram.

Sprint 2

Dates	Updates
Day 2	The Dai team worked on refactoring the measurements and setting up accurate endpoints for the API. Validation for the user data was added. Dummy data was loaded to the database. The IoT team mostly worked on designing the overall structure of the codebase. Parts of the implementation were also worked on. Majority of the work done needs to be double checked and refactored The Android team worked on consuming the API and showing the data in the application. Refactoring and validation implementation was started.
Day 3	The Android team will refactor the code, finish validation and finish the implementation for user story 1 & 3. The DAI team worked on the API so that it was ready to be consumed by the Android team using dummy data. API documentation was also added using SwaggerUI. Scripts for the incremental load for the data warehouse were created. The IoT team worked on refactoring and completing the tasks after consulting Ib about the progress, completing the implementation of user story 1 & 3

Sprint 3

Dates	Updates
Day 2	The Android team modified the login and register validation. The drawer has also been changed to incorporate the register. Some endpoints for retrieving the most recent CO2 and SPL measurements have been implemented. Some parts of the application were tested. The DAI team implemented endpoints for retrieving historical data for temperature and humidity measurements, endpoints for retrieving the latest co2 measurement and sound and validation for measurements. Scripts for data warehouse were updated and historical data visualisations regarding temperature and humidity were designed. The IoT team updated the class diagram and finished implementing CO2 and sound measurements. The new data is also being sent to the DAI team. Other updates: the area domain was refactored and hardware is no longer a separate entity, therefore requirement 37 was removed from the sprint backlog and requirement 36 was added instead. As a result of the hardware entity removal, the use case manage hardwares was discussed to be removed, including user stories 37,38,39,40 Additionally, user story 33 was added to the sprint from the product backlog.
Day 3	The Android team focused on historical measurements as well as bug fixes regarding previous user stories. Login and register were refactored. We can now retrieve all areas and start with editing a specific area but the last part is not finished yet. The DAI team worked on scheduling the incremental load and refactored the co2 and sound endpoints. Additionally data reports for humidity and temperature were worked on. The IoT team began to implement Google tests. We ran into some issues so they were not fully completed, but a meeting with the supervisor has been booked in order to complete them. Black box test scenarios were finished. Other updates: User stories 12 and 13 were added to the sprint from the product backlog.

Sprint 4

Dates	Updates
Day 2	The Android team worked on implementing the list of employees, removing an area, updating a profile, setting the thresholds and creating the view for seeing all the exceeded measurements. The DAI Team worked on creating models for thresholds and threshold logs. Implementing endpoints and repositories to set minimum and maximum thresholds and to get a list of threshold logs. Areas can now be deleted, users can be edited. We also wrote some documentation in the project and process report. The IoT team discussed the format of the downlink payload for receiving data. Designed black box test scenarios and attempted to get Google Tests working
Day 3	The Android team managed to implement the view for the account, the logs for the exceeded threshold and the modifications of the thresholds. The IoT team finally managed to get the Google tests “working”. A meeting with Ib is required for them to be fully completed. The team also worked on receiving downlink messages through the LoRaWAN network and hooking up the RC servo to be rotated depending on the measured temperature and the received temperature threshold The DAI team worked on documentation and refactored the incremental load of the data warehouse.

Sprint 5

Dates	Updates
Day 2	The Android team focused on refactoring the historical measurements so that if the data is shown in a graph, room implementation has been further implemented. IoT implemented user story 23 and 24 and focused mainly on testing the downlink payload in regard to editing the thresholds. DAI team worked on documentation and refactoring.
Day 3	IoT finished testing user story 23 and 24 and used most of day 2 writing documentation in the project report The Android team worked on Room implementation, uploading pictures to Firebase also on updating the drawer so it can be more organised and started to work on the onboarding application. A graph for seeing the measurements in time was implemented. The DAI team worked on refactoring the functionality for user stories 19 to 22, implementing functionality for user story 53 and also refactoring the source target mappings for the data warehouse. Additionally progress has been made on the project documentation.

Sprint 6

Dates	Updates
Day 2	Since the IoT team already had finished their main tasks, they mostly worked on documentation The Android team was mainly working on refactoring the code and the documentation. Also working on the ER Diagram for the Room part. The DAI team worked on documentation, testing the API and adding/refactoring validations.
Day 3	The IoT team worked on documentation The DAI team worked on documentation. Some refactoring was done. The Android team worked on documentation as well as testing. On the other hand, some refactoring was done, diagrams and implementation of user story 54 and 55 was completed