

(14-Dec to 16-Dec)

## Sprint Planning

- 1) (14) As a data analyst of the business, I want to be able to see the temperature, humidity, CO2 and light data of all my devices in a single dashboard so that I can compare the data.
- 2) (15) As a data analyst of the business, I want to get the minimum, maximum and the median temperature data of the greenhouse collected from the beginning to the latest recorded data.
- 3) Testing of the data warehouse (Data)
- 4) (20) As a user I want to be able to edit the settings of a device located in a greenhouse such that I can change the targeted temperature, humidity, CO2 and light.
- 5) (19) As a user I want to be able to remove a device from my list of devices in a greenhouse when I no longer need to monitor data from the device installed in the greenhouse.
- 6) (21) As a user I want the device to be able to operate windows, in relation to the greenhouse environment, to regulate the environment.
- 7) (18) As a user I want to be able to add multiple devices to my greenhouse such that I can monitor the data from different locations inside my greenhouse.
- 8) (7) As a user I want to manage my device settings to the control system.
- 9) (16) The system save the last data displayed on the android device in order to view it in case of no internet connection
- 10) Up and Scrum (Process Report)
- 11) Project Description (Process Report)
- 12) Project Execution (Process Report)
- 13) Personal reflections (Process Report)
- 14) Supervision (Process Report)
- 15) Conclusion (Process Report)
- 16) Appendices
- 17) Sources of information
- 18) Abstract (Project Report)
- 19) Implementation (Project Report)
- 20) Test (Project Report)
- 21) Result and Discussion (Project Report)
- 22) Conclusion and project future (Project Report)
- 23) Structure report and formatting Project report
- 24) Structure report and formatting Process report
- 25) Finalise all diagrams - astah and SVG
- 26) Video demo
- 27) (10) As a user I want to get notified when the temperature sensor is out of the threshold value.
- 28) (11) As a user I want to get notified when the humidity sensor is out of the threshold values.
- 29) (12) As a user I want to get notified when the CO2 sensor is out of a threshold value.

- 30) (9) As a user I would like to select different time frames and compare the data (temperature, humidity, photoresistor, CO2) collected of the specific device to monitor the state of the greenhouse.
- 31) Make use case description for manage greenhouse (analysis)
- 32) Make use case description got regulate environment (analysis)
- 33) ETL REVISED (Data)
- 34) Introduction (Project Report)
- 35) Use case description (Project Report)
- 36) (4) As a user, I want to be able to see data gathered by the humidity sensor so the humidity can be adjusted accordingly if needed by setting up new threshold values.
- 37) (6) As a user I want to be able to see data gathered by the light sensor so I can make sure that the lights are functioning in a timely manner.
- 38) (5) As a user, I want to be able to see data gathered by the CO2 sensor to get an overview of the CO2 concentration in the greenhouse so I can adjust the level needed for the specific plant.
- 39) (8) As a user I want to be able to set settings/threshold values to devices to ease access to remote locations.

## Sprint Review

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35. (8) As a user I want to be able to set settings/threshold values to devices to ease access to remote locations.
36. Project report structure and formatting
37. Process report structure and formatting

## Sprint Retrospective

What went well?

- Splitting of tasks for finazing the hand in

What to improve?

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