# Assignment G-2 Sprint-reflection (Group 4)

**How is your team doing? Does it work well? Can you improve?**

The work has been progressing well. The communication within the team has improved since we implemented a daily-standup channel. The purpose of the thread is to give everyone else an idea of what you have worked with. We could improve in helping each other, and being clear when we need help. In order to do so, we will use threads for each user story where we can discuss code and ask for help.

**How do you ensure that your software is of good quality? Any measures you have taken (e.g., pair programming, test procedures, code reviews etc?)**

This week we have mostly worked individually. We have not yet implemented any testing. By the end of the week we, as a group, merged everything we have been working on during the week. We plan to use pull requests which should be approved by at least 2 other members, in order to be merged to the main branch.

**This week explain in 3-4 sentences how you defined and ensured a common naming strategy for variables and functions and a common code-style.**

We have not worked with a strategy for naming variables or a common code style in the past week. We plan to decide on style and strategies in our next meeting on Monday, one resource that we may use is the MDN web docs javascript guidelines.

**What user stories did you implement in this sprint?**

- Pts:3 As a user I want to have qualitative measurements of air pollution (e.g. poor, good), so that I can better understand the data.
- Pts:1. As a user, I want to be able to close the info boxes in the sidebar so that I can see the new positions more clear.
- Pts:5 As a user, I want to be able to search for a city and see local air pollution data at that location so that I can quickly assess the air quality in that area.
- Pts:3 As a user I would like for the standard UI to only showcase one location at a time in order to make the UI less likely to be over cluttered

**What are your plans for the upcoming sprint?**

- Pts:3 As a user I would like to only show places where pollution is over/under some threshold.

- Improve the search function, by adding a dropdown menu with the best matches which the user can select a location from.
- Implement a working Heatmap
- Complete Compare-mode

## Scrum-Board Tuesday April 16th:



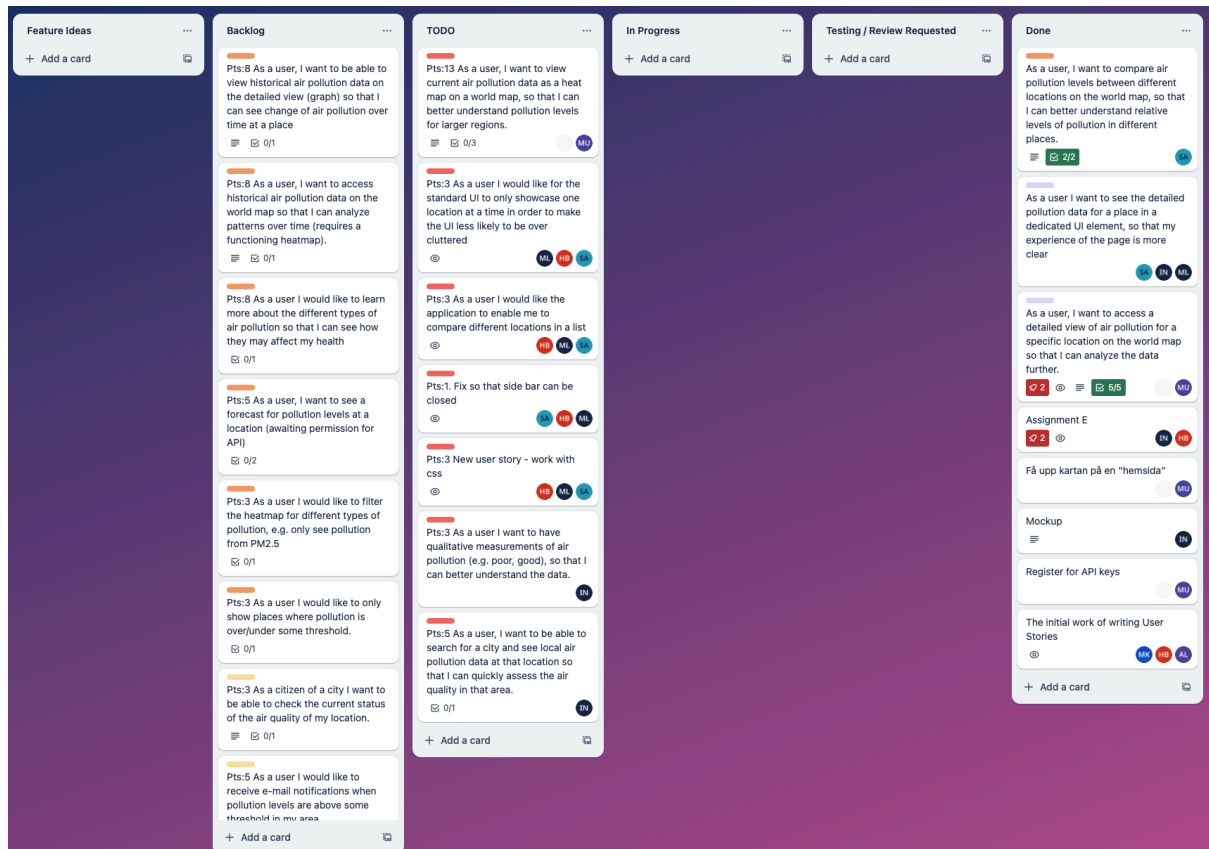| Feature Ideas | Backlog | TODO | In Progress | Testing / Review Requested | Done |
|---|---|---|---|---|---|
| + Add a card | Pts:8 As a user, I want to be able to view historical air pollution data on the detailed view (graph) so that I can see change of air pollution over time at a place.<br>☐ 0/1 | Pts:13 As a user, I want to view current air pollution data as a heat map on a world map, so that I can better understand pollution levels for larger regions.<br>☐ 0/3 | + Add a card | + Add a card | As a user, I want to compare air pollution levels between different locations on the world map, so that I can better understand relative levels of pollution in different places.<br>☑ 2/2 |
| | Pts:8 As a user, I want to access historical air pollution data on the world map so that I can analyze patterns over time (requires a functioning heatmap).<br>☐ 0/1 | Pts:3 As a user I would like for the standard UI to only showcase one location at a time in order to make the UI less likely to be over cluttered | | | As a user I want to see the detailed pollution data for a place in a dedicated UI element, so that my experience of the page is more clear |
| | Pts:8 As a user I would like to learn more about the different types of air pollution so that I can see how they may affect my health<br>☐ 0/1 | Pts:3 As a user I would like the application to enable me to compare different locations in a list | | | As a user, I want to access a detailed view of air pollution for a specific location on the world map so that I can analyze the data further.<br>⚲ 2  ☑ 5/5 |
| | Pts:5 As a user, I want to see a forecast for pollution levels at a location (awaiting permission for API)<br>☐ 0/2 | Pts:1. Fix so that side bar can be closed | | | Assignment E<br>⚲ 2 |
| | Pts:3 As a user I would like to filter the heatmap for different types of pollution, e.g. only see pollution from PM2.5<br>☐ 0/1 | Pts:3 New user story - work with css | | | Få upp kartan på en "hemsida" |
| | Pts:3 As a user I would like to only show places where pollution is over/under some threshold.<br>☐ 0/1 | Pts:3 As a user I want to have qualitative measurements of air pollution (e.g. poor, good), so that I can better understand the data. | | | Mockup |
| | Pts:3 As a citizen of a city I want to be able to check the current status of the air quality of my location.<br>☐ 0/1 | Pts:5 As a user, I want to be able to search for a city and see local air pollution data at that location so that I can quickly assess the air quality in that area.<br>☐ 0/1 | | | Register for API keys |
| | Pts:5 As a user I would like to receive e-mail notifications when pollution levels are above some threshold in my area.<br>+ Add a card | + Add a card | | | The initial work of writing User Stories<br>+ Add a card |

## Scrum-Board Friday April 19th:

**Feature Ideas** ...

improve search

+ Lägg till ett kort

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**Backlog** ...

Should have
Pts:8 As a user, I want to be able to view historical air pollution data on the detailed view (graph) so that I can see change of air pollution over time at a place
☐ 0/1

Should have
Pts:8 As a user, I want to access historical air pollution data on the world map so that I can analyze patterns over time (requires a functioning heatmap).
☐ 0/1

Should have
Pts:8 As a user I would like to learn more about the different types of air pollution so that I can see how they may affect my health
☐ 0/1

Should have
Pts:5 As a user, I want to see a forecast for pollution levels at a location (awaiting permission for API)
☐ 0/2

Should have
Pts:3 As a user I would like to filter the heatmap for different types of pollution, e.g. only see pollution from PM2.5
☐ 0/1

Could have
Pts:3 As a citizen of a city I want to

+ Lägg till ett kort

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**TODO** ...

+ Lägg till ett kort

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**In Progress** ...

Must have
Pts:13 As a user, I want to view current air pollution data as a heat map on a world map, so that I can better understand pollution levels for larger regions.
☐ 0/3 · MU

Must have
Pts:3 New user story - work with css
👁 HB ML SA

Should have
Pts:3 As a user I would like to only show places where pollution is over/under some threshold.
☐ 0/1 AL

Must have
Pts:3 As a user I would like the application to enable me to compare different locations in a list
👁 HB ML SA

+ Lägg till ett kort

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**Testing / Review Requested** ...

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**Done** ...

Must have
Pts:1. As a user, I want to be able to close the info boxes in the sidebar so that I can see the new positions more clear.
⚡ 2 👁 SA HB ML

Must have
Pts:3 As a user I want to have qualitative measurements of air pollution (e.g. poor, good), so that I can better understand the data.
IN

Must have
Pts:5 As a user, I want to be able to search for a city and see local air pollution data at that location so that I can quickly assess the air quality in that area.
💬 IN

Must have
As a user I want to see the detailed pollution data for a place in a dedicated UI element, so that my experience of the page is more clear
👁 SA IN ML

Should have
As a user, I want to compare air pollution levels between different locations on the world map, so that I can better understand relative levels of pollution in different places.
💬 ☑ 2/2 SA

+ Lägg till ett kort