

Team Reflection Sprint 3 - Group 25

(Casper Christiansson, Harry Denell, Isac Ingvast Wennerström, Andreas Magnusson, Gustav Möller, Carl Odqvist, Rikard Roos)

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

The team is doing good. As agreed upon, this week we assigned new members to take the required project roles. Harry acted as Scrum master and Rikard was our product owner for this sprint. Our teamwork is still strong and we are following our planned meetups, dedicating the entirety of monday and wednesday towards the project as well as finishing up any loose ends when it is convenient for the individual members. As the team is getting more comfortable with Dart and Flutter it is catching up some good speed, finishing a total of 34 story points this week. This includes all planned stories, and two more stories added during the week, which means we actually initially underestimated how much work we would get done this week, something to consider for next week!

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?)

We have mainly been working in pairs for this sprint as well which ensures that we can keep a dialogue about all of the code that ends up in the project and helps us avoid pivoting towards the easiest solution. Another measure that is still in place is the requirement of code reviews before anything can be pushed to main, which gets us yet another set of eyes on what is written and forces the authors to justify why the solution has been implemented in the way that it has. As far as testing goes most of our code is either directed towards Api calls or front end development. With the api calls we make sure to enter lots of different data sets and try to cover edge cases to make sure that we are still getting the right data into our program. As for the front end testing, we focus on trying it out multiple times and with different screen sizes to make sure that the UI still matches our expectations.

What user stories did you implement in this sprint?

This week we developed a detailed weekly weather view allowing you to display a forecast of the weather seven days ahead. This was done through collecting a data set from our weather Api and showcasing it as cards in a new view that can be reached from the dashboard.

We also added a time based greeting that is shown both when the user first opens the app and also on the dashboard giving the application a more welcoming feel.

The suggested running times are now completely implemented. Users can now see the top three best times the next 7 days to be outdoors. This is based on the weather forecast at the current location.

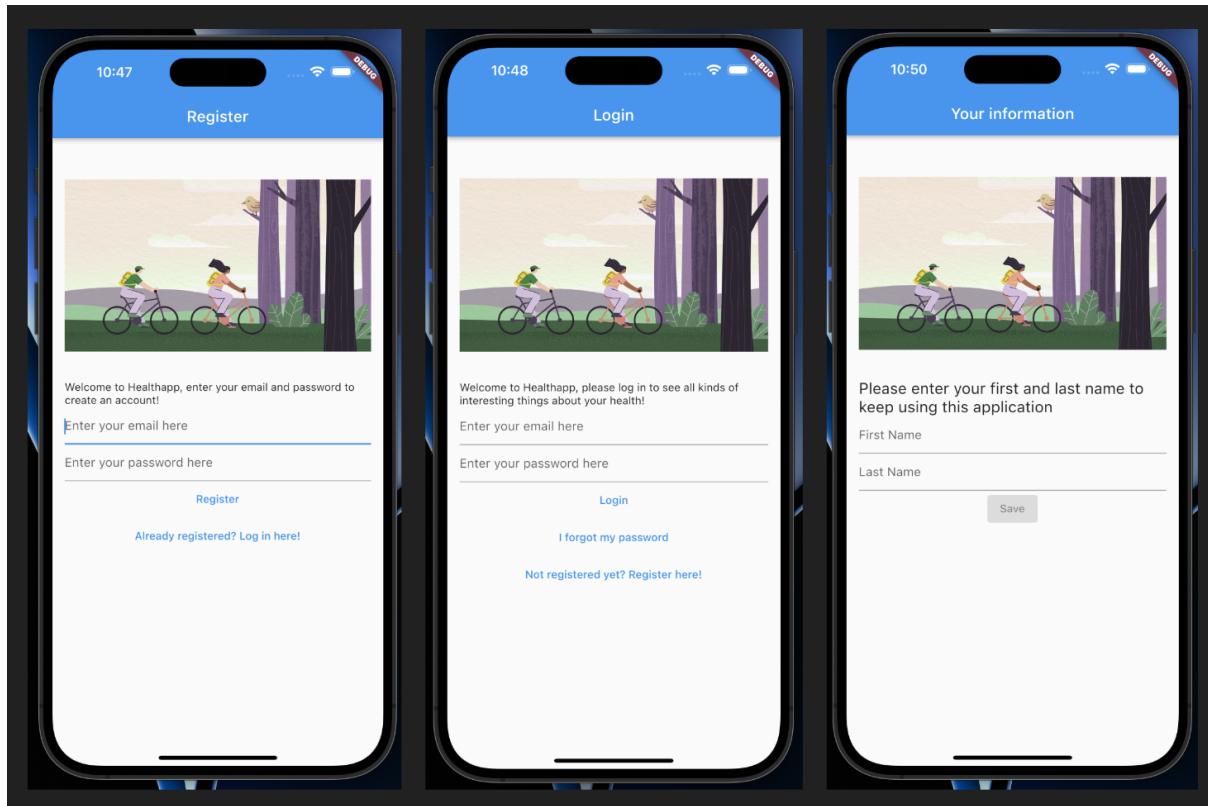
We made it possible for the user to change the location to another place, so the user could see the weather, air-quality and suggested running days not just on their current location. The user could change location by searching and then selecting the name of the location. If the user wants to switch back to its current location, that is also easy, just clicking the “current location” that shows up before the user searches for new locations.

We also added a simple profile page with the name and email of the user and a logout button so the user could change accounts. We also made it mandatory for the user to add their name for using the application, to make sure that the profile page would look good for everyone. This is a page that can be easily be further built on in the following sprints.

What are your plans for the upcoming sprint?

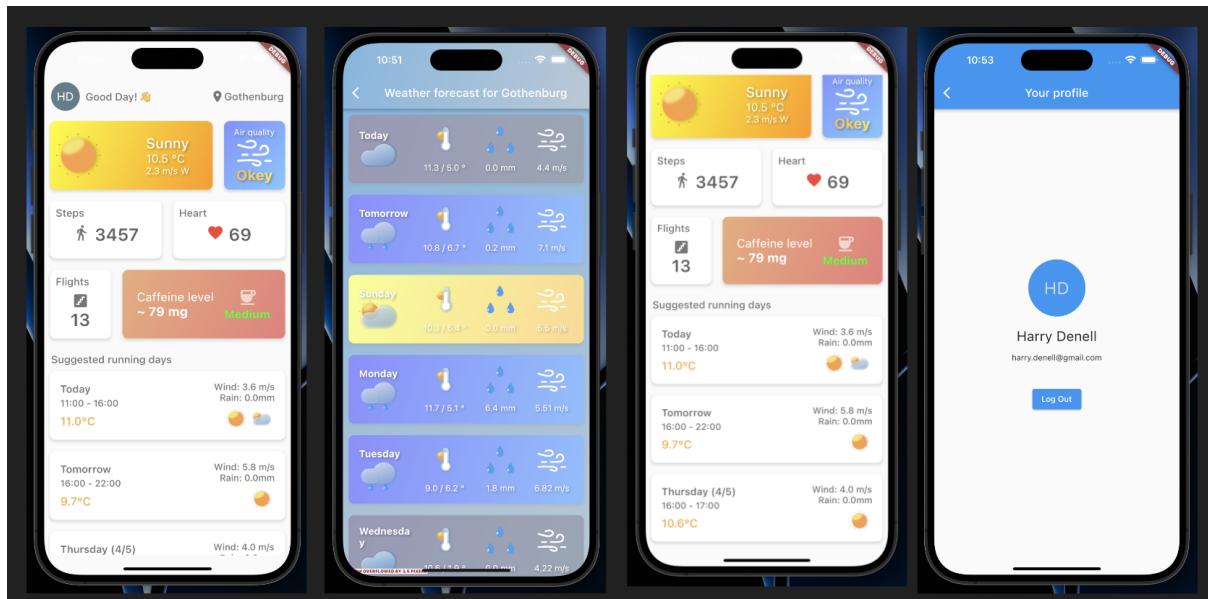
We have concluded that some of our dashboard view cards are not as interesting as originally intended and therefore we want to develop new functionality regarding running distance and route as well as nice ways to display these.

Current state of application/product



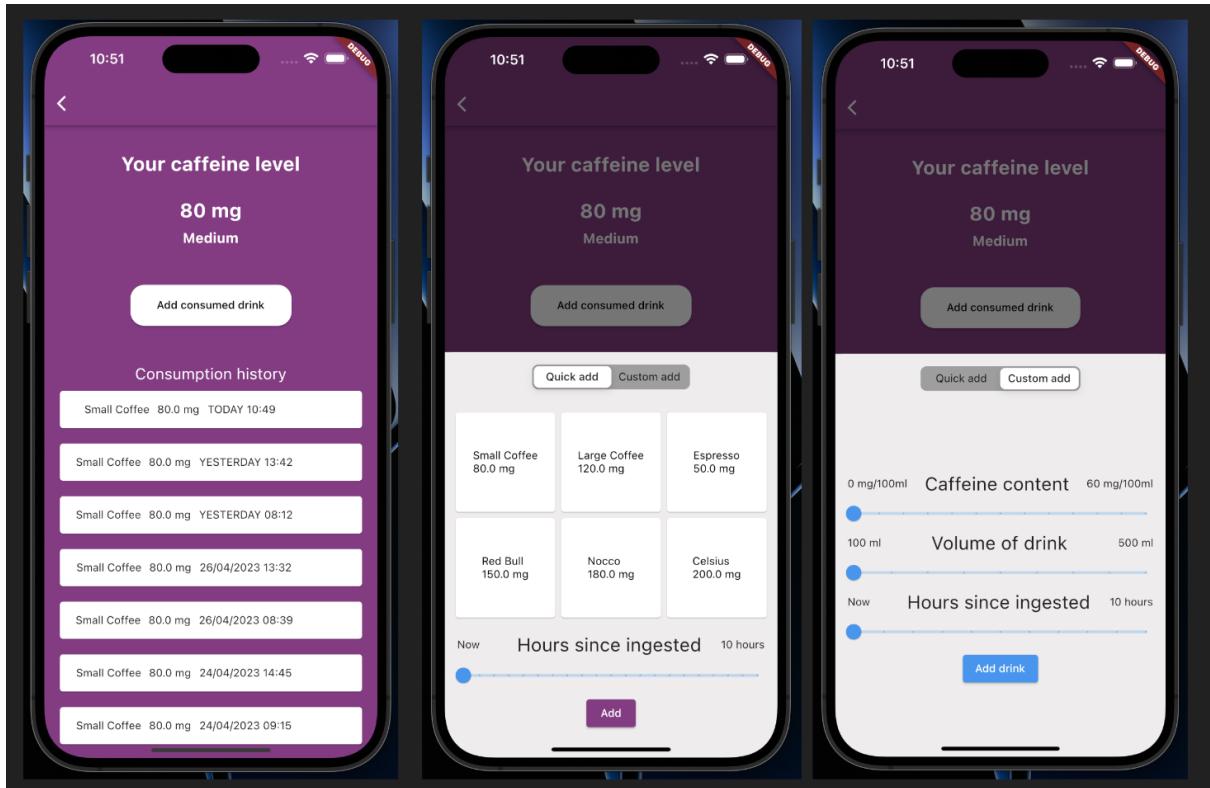
Login-, Register- and Personal information Pages

User is asked (forced) to create an account to use this application. The user must also verify their email. After creating an account they are asked to provide their first and last name



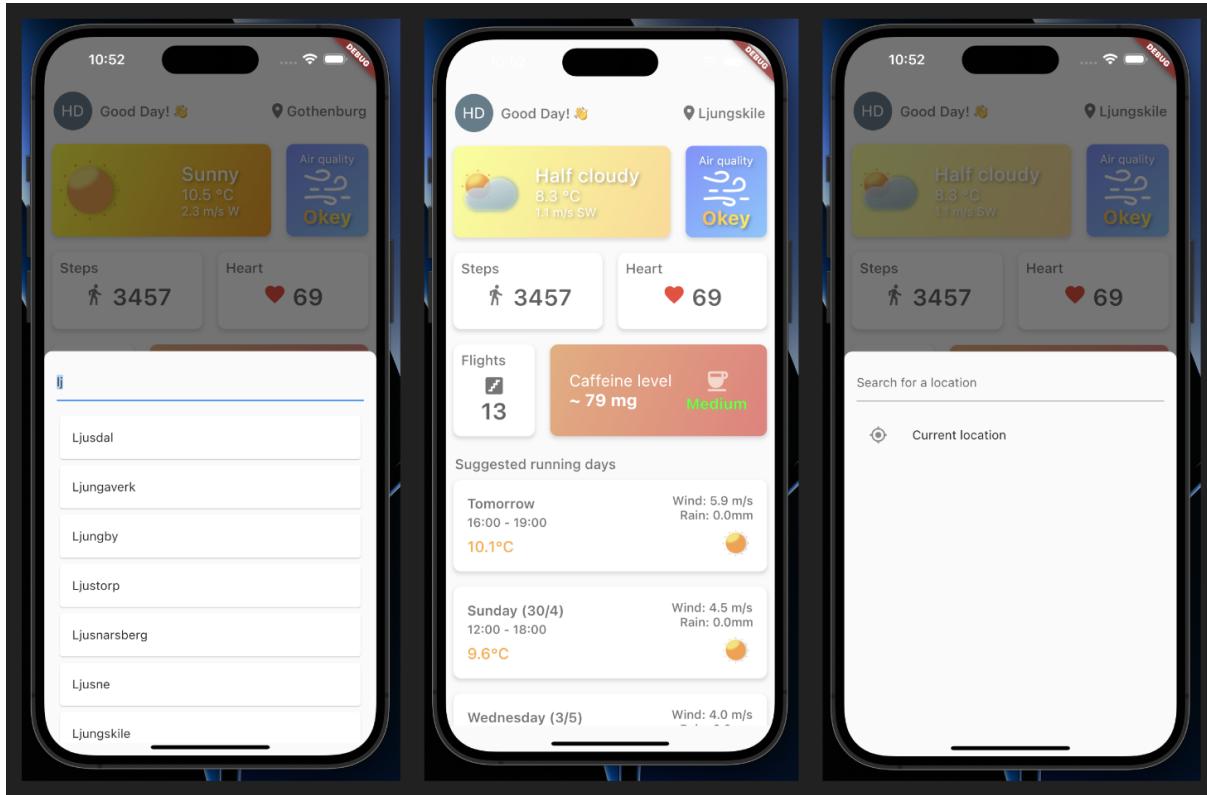
Home Page, Detailed Weather (forecast) Page, Suggested Running days part of dashboard, User/Personal Information Page

Everything except steps, heart and flights is fetched automatically, and updated on location change. The weather card and caffeine cards are clickable to be taken to a more detailed view, and so is the location part in the upper right corner.



Detailed Caffeine Page, Popup for adding caffeine consumption (quick add / customizable)

The user finds their consumption history and is able to add a consumed caffeinated drink



Popup for changing location

The users current location is fetched and used as default, but they are able to change their location as seen in the images. In this way they can find weather data and suggested running days for a different location than their current, maybe for planning their weekend which they will spend somewhere else

This week's Scrum Board

Monday morning

The Scrum Board for Monday morning shows the following tasks:

- Backlog:**
 - As a user who likes to be greeted nicely, I want a greeting that is based on what time of the day it is, so that I can be a more happy user. - 2 sp
 - As a user with many accounts I want a log out-button so that I can switch between my accounts. - 3 sp
 - As an user of a health app I want to know my daily steps so I know how much I workout. (IOS) - 3 sp
 - As an user I want to know how many calories I burn each day to know how good I'm doing. - 1 sp
 - As a runner I want to know my heart rate so I know how hard I train. - 1 sp
 - As a runner I want to be able to see health data from my apple watch or smartphone.
 - As a user I want to store my training data so that I can get an overview of my training.
 - As I user I want to be able to choose which days will be recommended depending on weathers. - 8 sp
- TO DO (THIS SPRINT):**
 - As a runner I want to be able to store multiple locations so that I can easily compare the weather for the different locations. - 5 sp
 - As a health freak I want to know the air quality of the areas where I am so that I don't work out when the air quality is poor. 3 sp
 - As a runner I want to be recommended the best days of the week for running so that I can get the best experience when working out. - 13 sp
 - As a user I want to see the forecast for the coming week so that I can get an overview of the week and plan my training. - 8 sp
- IN PROGRESS:**
 - + Lägg till ett kort
- REVIEW/ TESTING:**
 - + Lägg till ett kort
- DONE:**
 - As an user of a health app I want to know my daily steps so I know how much I workout. (ANDROID) - 3 sp
 - As an outdoor runner I want to know the current weather so that I don't have to work out in bad weather. - 8 sp
 - As a health app user I want to read the weather with pictures so I can receive information by just looking and not reading. - 8 sp
 - As a health app user I want a good looking dashboard with my health data so I can get a quick overview of my health. - 5 sp
 - As a student I want to know what the level of caffeine is in my blood so that I can optimize my studies while also not affecting my sleep. - 21 sp
 - As a user I want that the weather is automatically generated based on my current position so that I don't need to manually enter a position. - 5 sp

Monday afternoon

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(Note two more added stories, due to team working very efficiently)

Wednesday morning

Project task board | **Star** | **Synlig Arbetsytan** | **Tavla** | **Filter**

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Wednesday afternoon

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+ Lägg till en lista till				

Thursday afternoon

