Sprint 2 delivery

Eight West

Infiniot

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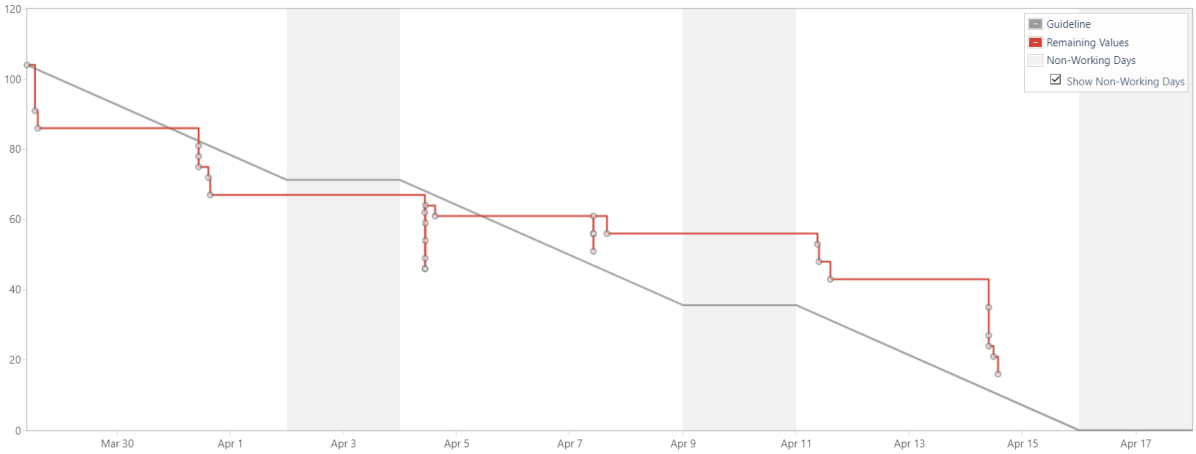
1. Introduction

This document is written to provide release notes for sprint 2 of the EnergyGrid project. It also describes which sprint goals were met and what we plan to do in the next sprint(s).

2. Sprint goals

All the sprint points we did last sprint are displayed in our Jira board. Almost all issues have been completed. We started this sprint with a few less story points than the previous sprint, as we had overestimated our time a little. However, in the middle of the sprint we decided to swap some tasks from the backlog, mostly because they gained priority later in the sprint but also because we were ahead of schedule. In the end there were still some tasks left over thanks to this decision, but they all had a lower priority so were not essential in this sprint.



Burn down chart Sprint 2:
https://jira.fhict.nl/secure/RapidBoard.jspa?rapidView=128&projectKey=SRBGROU2&view=reporting&chart=burndownChart&sprint=257&estimate=field_customfield_10106

Even though this burndown chart looks better than the previous ones, it is still not perfect. The spike where we swapped tasks is visible and also not all story points were completed. We believe that creating the perfect burndown chart is a learning process and that it will get better each time.

3. Sprint achievements

Our biggest goal of this sprint was to connect the different components we had and creating functionalities that would affect all of these components. For the functionalities where we already had a back-end and front-end separately, we quickly built an integration and the new functionalities were all built with integration in mind.

4. Links

4.1. Github

Frontend

https://git.fhict.nl/I438583/energygrid-frontend

Backend

https://git.fhict.nl/I438583/energygrid-backend

4.2. Jira

Backlog

https://jira.fhict.nl/secure/RapidBoard.jspa?rapidView=128&projectKey=SRBGROU2&view=planning.nodetail&selectedIssue=SRBGROU2-139&issueLimit=100

ActiveSprint

https://jira.fhict.nl/secure/RapidBoard.jspa?rapidView=128&projectKey=SRBGROU2&selectedIssue=SRBGROU2-99

Burndown chart

https://jira.fhict.nl/secure/RapidBoard.jspa?rapidView=128&projectKey=SRBGROU2&view=reporting&chart=burndownChart&sprint=257&estimate=field_customfield_10106

4.3. Google Drive

https://drive.google.com/drive/folders/1FvCSUSpGn4vmUE0vkqU9oXsaRqpZiIwR?usp=sharing

4.4. Research - Survey

https://docs.google.com/forms/d/e/1FAIpQLSddR9rRFxj6lcuUo8Dlch1n41QqWdhpfJtmiahlwCvb_kjjgA/viewform?usp=sf_link

5. Up-to-date project-related documentation

All documents can be found in Google Drive. The following documents have been written or updated during this sprint:

- **Research report**
  This document has been updated with research on testing the React frontend.

- **Design oriented research report**
  This document contains 2 of the biggest research questions for our project. It explains how we are going to approach these research questions. We already started with the research by creating a survey and writing introductions.

- **TICT Scan**
  This document provides information about the impact of our application on society. During this sprint, the full scan has been executed in context of ethical design

- **Ethical design report**
  This report provides an introduction to the TICT Scan mentioned above and also includes a list of non-functional requirements related to this topic.

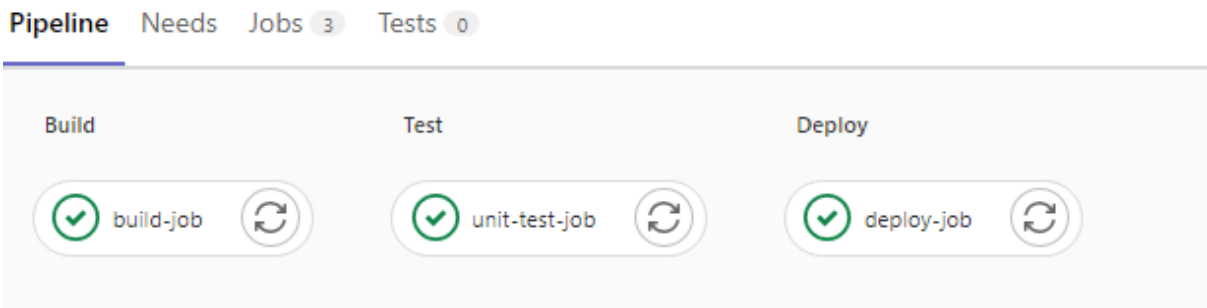
- **Meeting notes**
  In the Google Drive we also included meeting notes that were kept by the team during the stakeholders' meetings this sprint.

6. Description and link to CI/CD pipeline

We have already prepared the GitLab runners & GitLab CI/CD configuration files. Those can be found in the GitLab repositories for both backend and frontend applications.

Backend

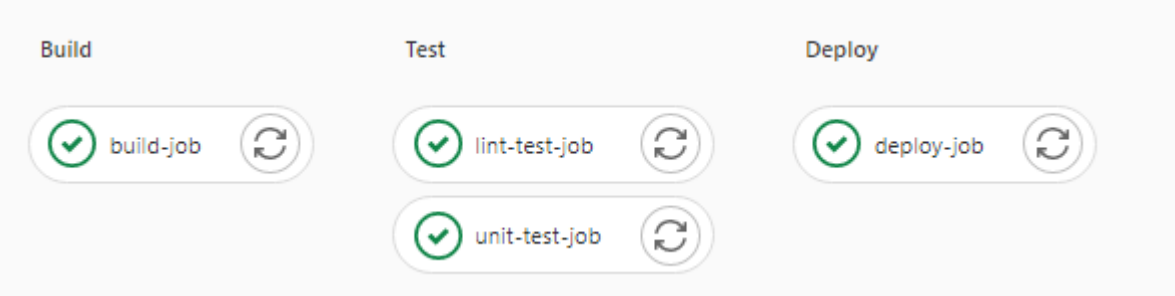
https://git.fhict.nl/I438583/energygrid-backend/-/blob/main/.gitlab-ci.yml




```
Running with gitlab-runner 14.7.0 (98daeee0)
  on NourBackend 3Axyg1Wy
Preparing the "docker" executor
Using Docker executor with image mcr.microsoft.com/dotnet/sdk:6.0 ...
Pulling docker image mcr.microsoft.com/dotnet/sdk:6.0 ...
Using docker image sha256:e389e72821eb31a88cae99a42b36465281e8d2767b94231bc69b00c893e643d1 for mcr.microsoft.com/dotnet/sdk:6.0 with digest mcr.microsoft.com/dotnet/sdk@sha256:16d0bf147784031d85040de10bd4b8c9dca2f634a7e19a85fd7bca8a63c987e1 ...
Preparing environment
Running on runner-3axyg1wy-project-41904-concurrent-0 via 5a0ba0dd197f...
Getting source from Git repository
Fetching changes with git depth set to 20...
Reinitialized existing Git repository in /builds/I438583/energygrid-backend/.git/
Checking out e2711997 as main...
Skipping Git submodules setup
Executing "step_script" stage of the job script
Using docker image sha256:e389e72821eb31a88cae99a42b36465281e8d2767b94231bc69b00c893e643d1 for mcr.microsoft.com/dotnet/sdk:6.0 with digest mcr.microsoft.com/dotnet/sdk@sha256:16d0bf147784031d85040de10bd4b8c9dca2f634a7e19a85fd7bca8a63c987e1 ...
$ dotnet restore EnergieGrid.sln
  Determining projects to restore...
  Restored /builds/I438583/energygrid-backend/S_UserApi/S_UserApi.csproj (in 2.17 sec).
  Restored /builds/I438583/energygrid-backend/A_Gateway/A_Gateway.csproj (in 2.18 sec).
  Restored /builds/I438583/energygrid-backend/S_WeatherApi/S_WeatherApi.csproj (in 2.39 sec).
$ dotnet build EnergieGrid.sln
Microsoft (R) Build Engine version 17.1.0+ae57d105c for .NET
Copyright (C) Microsoft Corporation. All rights reserved.
  Determining projects to restore...
  All projects are up-to-date for restore.
  S_UserApi -> /builds/I438583/energygrid-backend/S_UserApi/bin/Debug/net6.0/S_UserApi.dll
  A_Gateway -> /builds/I438583/energygrid-backend/A_Gateway/bin/Debug/net6.0/A_Gateway.dll
  S_WeatherApi -> /builds/I438583/energygrid-backend/S_WeatherApi/bin/Debug/net6.0/S_WeatherApi.dll
Build succeeded.
    0 Warning(s)
    0 Error(s)
Time Elapsed 00:00:03.87
Cleaning up project directory and file based variables
Job succeeded
```

Frontend

https://git.fhict.nl/I438583/energygrid-frontend/-/commit/1d6c8a8916c7aba73ffc8a5e323351fb20128ef1



7. Presentation Sprint 2

The sprint presentation given during the sprint 2 delivery meeting can be found in the Drive. Link to presentation:

https://docs.google.com/presentation/d/1vLvF2UgJZ4HVxvV6QTW24A-9e9U4cdOk/edit?usp=sharing&ouid=114384940913729557604&rtpof=true&sd=true

8. Sprint retrospective

For the sprint retrospective we have made use of Reetro. You can view our Reetro board by clicking on the link and continuing as a guest user.
The link to our retrospective board of sprint 2 is:
https://www.reetro.app/board/620a33fa8037ef0017d6f13f/620a36939f943400173fee2a

9. Sprint planning for next sprint

Mag ik wat vragen? Lezen jullie dit wel? Zo ja zou je dan een berichtje willen sturen alvast bedankt 🐫

The upcoming sprint we are going to focus on the general overview in the form of a map. Here different users can see an overview of the flow grid. To manage this well we will also focus on the authorization of the users. This is to ensure that not every user has access to the entire environment.

We will once again plan a smaller amount of story points. Not only because we had a few left from the previous sprint but also because this sprint will be interrupted by several holidays. 80 story points will be the absolute maximum this sprint.

The issues that will be tackled in sprint 3 will be added to Jira. It is possible that it will be a bit later this sprint because of the Easter holidays. The link to this can be found here: https://jira.fhict.nl/secure/RapidBoard.jspa?rapidView=128&projectKey=SRBGROU2