2020-12-16 Sprint Review & Planning - "Abstract Connoisseurs"

Date & Time

16.12.2020, 9:45 - 13:00
Berlin, HTW, via Teams

Participants

- Trzewik, Torsten
- Magnus , Robert
- Mhiri, Mohamed Youssef
- Schönknecht, Erick

Dates of the Sprint

02.12.2020 - 16.12.2020

Review

UI part (Schönknecht, Erick + Mhiri, Mohamed Youssef)

- Selection Tabs for wind turbine details and statistics added (can be accessed with mouse click)
- Details of clicked on wind turbine icons on the map are shown in the Details Tab (initially no data is shown because, there is no clicked icon at the beginning)
- If an icon is clicked when we are in the Statistics Tab, we automatically will get send to the Details Tab
- Added a waiting spinner for any requests in progress (filter buttons can only be pressed when requests are finished)
- 4 missing statistics were added in form of a dropdown menu in the Statistics Tab
- More performant diagram library now used for better user experience
- Elements in diagram legends highlight the associated result, when hovered over
- The following statistics were added in the frontend:
    - Total power in megawatts
    - Hub height in relation to the rotor diameter
    - Top 10 - Areas with the highest number of wind turbines/ most power
    - Boxplot for the construction period in days
    - period of construction in days

Backend

Backend part (Schönknecht, Erick)

- Data for 3rd statistic now generated (with a given date range + choice whether approved or not and in Use or not ; grouped by postcode)
- Data for 4th statistic now generated (with a given date range + choice whether approved or not and in Use or not ; grouped by postcode) with average, median, max, min and variance of construction time (approved field does not affect the request)
- Data for 5th statistic now generated (with a given date range + choice whether approved or not and in Use or not ; grouped by installation date + wind turbines with same installation date -> average construction time)
- Request for finding a wind turbine via its Id was added (with formatted data structure)
- Backend was subdivided into several files for better overview

Jenkins / Sonar part (Schönknecht, Erick + Mhiri, Mohamed Youssef)

- 87% code coverage with Mocha in the backend achieved https://www.robert-magnus.de/sonar/dashboard?id=AbstractConnoisseurs_Backend
- 20% code coverage with Karma/ Jasmine in the frontend achieved
- https://www.robert-magnus.de/sonar/dashboard?id=AbstractConnoisseurs_Frontend
- Test steps were added in the Jenkinsfile
- No third-party code gets analysed
- Automatic jenkins trigger was already existing
- All tests successful + A rating for bugs, code smells, vulnerabilities and duplications for frontend and backend

Planned Issues

Hosting Part (Schönknecht, Erick)

- Host the website with given Jenkins Server (changed after conversation with lecturers)

UI part (Schönknecht, Erick)

- Get the Website to look good on all 16:9 resolutions (get the scaling right)
- Find out licences of libraries

Jenkins / Sonar part (Mhiri, Mohamed Youssef)

- Achieve 85 % code coverage on the frontend

- Keep clean code with 0 bugs, duplications and code smells
- Picture of system- and component architecture in Sonar
- Links in Sonar (Sources and Continuous Integration)
- Jenkins Job for starting and stopping the application
- Cover at least 75% lines of code
- Check accessibility of the website

Need help with

- How to achieve scaling for Monitor resolution and not for window resolution? Is that even possible?
- How to find Website on Jenkins?