Documentation for the Project

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What was done:

I decided to do a statistic portal. I looked at the different data options and decided to do select the municipal election data from 2017. I also wanted to implement a map to the website, so I chose another data set including the geographical from Finland's municipalities. The map shows the voting turnout, the biggest party and every party's voting percent when the user clicks the municipality. I wanted to give the user another way to look at the data, so I added buttons to the website, which creates a table that shows the individual party's voting precent in every municipality. I had some difficulties with the data because the municipal data is form 2017 and there were some municipalities that doesn't exist anymore, also the municipal data didn't cover the autonomic island Ahvenanmaa at all.

What tools were used:

I used the basic website building tools: HTML, JavaScript and CSS. Addition to these basic tools I also used leaflet and GitHub. Leaflet is used to create maps, so I created my map using leaflet. GitHub I used to publish my project so I can check if it works on a mobile too, also I used GitHub to return my project to CodeGrade for grading.

Point table:

Here is a table for the points with justifications I think I'm entitled to.

Feature	**Points**
Well written report	2
Application is responsive and can be used on both desktop and mobile environment	4
Application works on Firefox, Safari, Edge and Chrome	2

The application shows relevant data on a map	2
By clicking the map user has an option to get to additional charts covering that area	4
There are more than two items of data available (municipal data and geoJSON)	4
The user can get additional data of the parties by clicking the buttons	4
Application has CSS-styling added (background colors, button layout etc.)	2
Application has advanced CSS-styling	5
The code is well documented	1
The buttons can be pressed multiple times and the table works every time	2
Total	**30**

When the user clicks a municipality on the map the user gets a popup where it shows the data from that municipality.

There are two API's where the data is fetched and both are shown in the map, geoJSON data is just shown with different colors in the map.

The application has the basic CSS-styling added and it also has more advanced styling for example the buttons have animations and hover features, the header of the table changes for the different parties and there is conditional styling in the table rows. These features took a lot of time and made the website look much nicer.