

Project work

CT30A2910 Introduction to Web Programming - Monimuoto-opetus
4.9.2023-20.10.2023

What was done?

I chose the Project 2: Statistic portal topic to my project work. First, I started doing the Statistic portal about Municipality elections, but I liked more to do something I like. I did the statistic portal about the Finnish national ice hockey league called "Liiga" or "SM-Liiga".

The statistic portal is showing real-time data from the league's teams and matches. I fetched the data from their open API. I Showed on the map all the cities that have team in Liiga. And visualized the point chart. I make the portal like little web application where user can find various information about the league teams and their standings.

What tools were used?

I used tools that I have learned on this course. I used HTML, CSS and JavaScript in languages and Codesandbox for the platform. I also used the Frappe Charts and Leaflet libraries. These tools helped me a lot. All the weekly exercises during the course helped me for the use of these tools.

How many points the student would like to get from the project with justification for the points?

| Feature | points |
|--|--------|
| Own idea for the statistic portal (no ideas were ready) | 3 |
| Well written PDF report | 3 |
| Application is responsive and can be used on both desktop and mobile environment | 4 |
| Application works on Firefox, Safari, Edge and Chrome | 3 |
| The application has clear directory structure and everything is organized well | 2 |
| Drag'n'drop new data to charts/maps | 4 |
| The application show relevant data on a map and user has change to change the data | 3 |
| The application show relevant data on a chart and user has a chance to change the data | 3 |
| User is able to switch between different layers of data on map | 2 |
| By clicking the map user has an option to get to additional charts covering that area | 4 |
| Users can define what should be done to different data items (e.g. values are added, | 2 |

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|--|----|
| multiplied together etc. before visualization) | |
| Able to download the visualization as a PNG (or SVG) image | 2 |
| TOTAL POINTS | 35 |