

Statistic Portal Project: Introduction to Web Programming

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Project Description

For this project, I chose to work with the Statistic Portal Task. Below is a detailed description of each part of the project:

Part 1: Home Page

- The homepage contains buttons to navigate to other pages of the website.
- Includes a brief introduction to the project.
- Tried to add some effects and make it look good, as it is the homepage.

Part 2: Employment Page

This page can be accessed through the top navigation bar or the "Employment" button on the homepage.

It provides six different types of data for each region of Finland including unemployment and labour force.

And it is divided into two subpages: Map and Chart.

2.1: The Map

- **Features:**
 - Displays a map of Finland with regions highlighted.

- Clicking on a region shows the region name, selected information type, and a button to navigate to the chart page, where the user can see detailed information through time.

- Customization options by selecting the year and type of information to display.

- Drag-and-drop functionality to add more information to the map.

- Color gradient to indicate the concentration of information in a region.

- A legend explains the color gradient.

- Option to download the map as a PNG image.

-User Interaction:

- Drag-and-drop allows users to add or remove information types from the map.

- It prevents dragging data back to the initial holder, if only one information type is left in the drop area.

2.2: The Chart

-Features:

- Shows the rate of the selected information type over time.

- Can display multiple information types for comparison.

- Input field for filtering and selecting regions from over 300 options.

- Checkbox to select information types to display.

- Option to view the chart as a line or bar chart.

- Option to download the chart as a PNG image.

Part 3: Election Page

-Structure:

- Similar structure to the Employment Page but with different data.

-Features:

- Contains only a chart.
- User can select a municipality and time range and choose which parties to display.
- Focuses on data from six major parties.
- Option to view data for a single year in a bar chart.
- Option to download the chart.

Conclusion

- I tried to make the website as user-friendly as possible.
- Tried to make it visually appealing and easy to use, although spent considerable time extracting and organizing data for ease of use.
- More improvements could be made with additional time.

I hope you find this project useful and well-designed.

Thank you.