

Web

Skills session #2

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```
    <html > <head > <script
html>
="en">

charset="UTF-8">
name="viewport" content="width=device-width, initial-scale=1"
t src="https://cdn.jsdelivr.net/npm/chart.js@2.9.3/dist/Chart.min.js">
</script> <title>Weather page</title>

</html>

<div id="myChart" width="400px" height="100px"></div>

function getData() {
result = await fetch("https://elecdesign.org.aalto.fi/nr1/weather");
    .then(response => response.json());
    any
return result;

on parseChartData(weatherData) {
let result = { labels: [], temperatures: [] };

for (let i=0; i<weatherData.timeSeries.length; i++) {
    // Add the name of the day to the labels, if new day
```

Web pages

- **HTML, CSS, JavaScript**
- **External scripts**
- **APIs**
- **JSON**

HTML

- **HyperText Markup Language**
- **Defines semantic structure for your content**
 - “what is this and what is that”

```
<html>
```

```
<head><title>hello world!</title></head>
```

```
<body></body>
```

```
</html>
```

CSS

- **Cascading Style Sheets**
- **Defines graphical presentation of the content**
 - "How to display this on big screen"

JavaScript

- **ES6 = ECMA Script 2015**

- **Interactivity**
 - “Let’s build real software...”

API

- **Application Programming Interface**
 - REST API

- **These are the ‘Plugs and Sockets’ of the virtual world**
 - “Here is our offering, here is how to get it”

- **api.met.no**

JSON

- **JavaScript Object Notation**
- **{ key: value }**
 - { name: "Matti", address: "Maarintie 8" }
- **[array]**
 - [1,2,3,4,5]

Weather App

- **Find inspiration:**
 - https://dribbble.com/tags/weather_app
 - <https://www.behance.net/search?search=weather%20app>
 - https://www.figma.com/community/search?model_type=hub_files&q=weather