

Introduction to Web Development: JavaScript

Class 8: Preparation

Today we will look at reading JSON files, looping through JSON based arrays, and building functions that are used when looping through an array. Having a good understanding of looping and iteration with data that comes from different sources is a core competency in programming. Investing the time to have a deep understanding of looping with different data sources in JavaScript will be time very well spent.

Reading data in JavaScript is mostly done with the Fetch API. We will be using this API to ONLY read a JSON disk file. The Fetch API is capable of so much more and will be covered in more detail during semester two. The Mozilla Developer Network has a good reference for the Fetch API. Feel free to read this to deepen your understanding. Please keep in mind we will only be using the API to read a file.

https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API

Todays learning outcomes:

- 1) Develop an introductory understanding of reading a disk file using the JavaScript fetch API. We took a look at this during Tuesday's lecture and we are going to look at using the Fetch API with JSON files in detail during today's lecture (Thursday afternoon).

- <https://www.freecodecamp.org/news/how-to-read-json-file-in-javascript/>
- <https://www.youtube.com/shorts/IBXm1n2gq-Q>