

## In-class Activity 11: Convert an Ajax application from XML to JSON

**DUE 17/05/2024 Friday 16.30**

The goal of this activity is for you to write the JavaScript code for loading data from JSON files whenever the links in the sidebar are clicked. If, for example, the user clicks on the third link in the sidebar, the Ajax request will return the data from the JSON file named `chua.json`. This will show how seamlessly Ajax can add new data to a page without reloading the page in the browser.



### Part 0: Download files

1. Download **speakers\_Activity11.zip** folder and unzip the folder
2. Verify there are no errors in the HTML and CSS files.
3. Rename the files to **Lastname-Activity11.html**, **Lastname-Activity11.css** and **Lastname-Activity11.js**.
4. You'll also find JSON, and image files for this application in this folder.
5. Review the code and make sure you understand the code. Run this application to see that it starts with the information for the first speaker displayed, but the links in the sidebar don't work. Then, look at the HTML for this application to see that the starting HTML provides the content for the first speaker.
6. Review the data in the files in the json\_files folder. There, you can see that there is one file for each speaker.

### **Part 1: Modify code**

1. In the `.js` file, write the JavaScript code for this application. Within the click event handlers for the `<a>` elements in the sidebar, use the title attribute for each link to build the name of the JSON file that needs to be retrieved. Then, use that name to get the data for the speaker, enclose that data in HTML elements that are just like the ones that are used in the starting HTML for the first speaker, and put those elements in the main element in the HTML. That way, the CSS will work the same for the Ajax data as it did for the starting HTML.
2. Don't forget to clear the elements from the main element before you put the new Ajax data in that element.
3. Verify there are no errors.

**Part 2: Upload ALL files and folders to your public website and verify the URL. Make sure everything is working at the public website side.**

### **Part 3: Turn in your activity**

1. Upload the `.html`, `.css` and `.js` files to Aybuzem, and place in the Comments the URL of the activity.