**Managewords with JSON**

Last modified: 23 March 2022

Your assignment is to create a PHP and JS system that allows the user to add a new word and definition into the words file using an existing part of speech. The name of the words file on the server must be words.txt, the name of the file containing the main page must be managewords.html, the name of the JS file must be managewords.js, and the name of the CSS file must be managewords.css. You will also need two PHP programs, one for AJAX calls to get existing words, which should be named get\_words.php, and another to receive a new word, which must be named put\_word.php.

You must use AJAX to get a dynamically generated list of all existing words, parts of speech, and definitions, from the server to display on the browser, and that list must be transmitted using JSON. You must also use AJAX and JSON to transmit new words to be added to the words file from the browser to the server.

You should make the interface very clean and user-friendly, and make it quite difficult for the user to make mistakes.

Full credit will require:

* the same list of applicable requirements from previous assignments, such as keeping the words in alphabetical order by word and part of speech, lower-case words and parts of speech, any printable characters allowed in the definition, etc.
* there cannot be any form elements in the HTML page
* using a select list for all the parts of speech that currently exist in the file
* using CSS to produce a clean, minimalist style
* making it impossible to commit common mistakes, such as submitting a word to be added that is empty or with an empty definition or part of speech, etc.
* actions should be accomplished with a minimum number of button clicks, buttons should be invisible or be inactive when it is not appropriate to use them, and focus should move as much as possible in anticipation of the user‘s most likely next action

Your program should emit valid HTML5. Make sure any links within your emitted code are relative links.

Make sure your code adheres to the rules in the [coding style guide](https://borax.truman.edu/315/coding_rules.html).

By noon on Friday, 1 April, submit the HTML file, two PHP files, the JS file, and the CSS file to the [homework submission](https://borax.truman.edu/315/submit.php) page.