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My project is primarily broken down into 4 sections, a home page, a dictionary, an about page, and a small course on the language which I wrote myself. All sections make use of the boilerplate.php, header.php, desktop_styles.css, mobile_styles.css, styles.css, and scripts.js files, which I wrote myself. boilerplate.php provides linkage to files used in all sections of the website, and definition of a php function we use during the lesson sections. header.php provides the navigation header that we use in all sections except the homepage (which it is not included on). By making use of these 2 php files a developer is easily able to make broad changes to sections of the site without having to try to modify every single page individually, and allows new pages to easily include various sitewide features without attempting to recreate them. desktop_styles.css includes the styling, which is specific to only wider devices, like desktops, which allows my site to better serve those users. mobile_styles.css provides the styling which is only used for narrower screens (like mobile devices). styles.css provides styling, which is used regardless of screen size, although most units are relative to screen size, allowing easy resizing by the browser. The scripts.js file provides functionality for the navigation buttons (I use buttons instead of <a> tags because they provide more semantic information, and therefor should be easier for use with screen readers), and functionality to grade the quizzes at the end of the lessons

They also all make use of an svg file (named classic_smiley.svg) and a favicon derived from the svg file made by Wikipedia user Eequor and released under GNU-FDL permissions, meaning that the original author must be credited, the terms of GNU-FDL must be included, and technical measures must not be used to control the distribution of the work. I conformed to these requirements by including a copyright section on my about page to give the original author credit, and to provide the GNU-FDL license. All sections also make use of icons from Font Awesome under a CC BY 4.0 license, credit was given in the copyright section.

The home section primarily consists of a php file called index.php and a special style sheet called home_styles.css. The special css file is necessary because of the unusual structure of the home page, instead of consisting of a nav bar and content like the rest of the pages, it consists of a handful of buttons for accessing the rest of the site.

The about section primarily serves to explain what toki pona (the subject of the site) is, to point users to other sources of information, and to provide copyright information. I used tables to provide the copyright information, and additional sources as they are tabular data, and this structure makes them easy to read. I made use of an iframe to the Wikipedia article on toki pona to provide that information to save myself time and to allow that section to update as the Wikipedia article updates, which is necessary because toki pona is a rapidly changing topic.

The dictionary section consists of a php file called dictionary.php and a csv file called dictionary.csv. The php primarily serves to generate a table from the csv file. I made use of a csv file to allow for easy modification (a developer can just use Excel), and to allow for portability when moving the website (we don't have to worry about trying to move around a mySQL table, we just have to move the one file).

The learn section is the largest, it consists of all of the php files in the learn folder. I placed them in a dedicated folder to improve organization. I also made use of a couple standard elements which improve development time. Firstly, the vocabulary section at the beginning of each lesson makes use of a php function to fetch definitions of terms and generate the table. Secondly, I used a header.php file to make sure all sections were using the same navigation head. Thirdly, I made use of a shared javascript file with a function for setting the answers of a page's quiz to allow for the same grading code to be used across all lessons. Fourthly, all lessons make use of the same styling to improve uniformity and save time on development.