[**https://github.com/TMolano/WDDBS**](https://github.com/TMolano/WDDBS)

1. **What are web components?**

Web components are a collection of specifications that enable developers to create their web applications as a set of reusable components. Each component lives in its self-defined encapsulated unit with corresponding style and behavior logic. These components can not only be shared across a single web application but can also be distributed on the web for use by others.

* <http://www.qed42.com/blog/web-components-introduction-future-web>
* <https://developer.mozilla.org/en-US/docs/Web/Web_Components>
* <http://webcomponents.org/>
* <https://www.w3.org/standards/techs/components#w3c_all>
* <https://css-tricks.com/modular-future-web-components/>

1. **What is Babel?**

Tool for transpiling ES6 code. Put ES6 in and get ES5 out.

* https://www.lynda.com/JavaScript-tutorials/Introduction-Babel/424003/459169-4.html

1. **How do I transpile my ES6 code to ES5 using Babel?**

Run Babel script and text/Babel or setting up Webpack/Babel and using a source to its location. (ex: bundle.js)

1. **What are JavaScript Plugins, Libraries and Frameworks?**

A plug-in is a small piece of code that can be re-used to simplify the development process in modals, image galleries, accordions, drop down menus, etc.

A library is a reusable piece of code that offers certain functionality. It is a collection of functions, objects, and classes that you can use in your application. (Essentially a collection of plug-ins)

A framework has an architecture that dictates the flow of control in your application. The framework describes the skeleton and tells you how everything should be organized. A framework often comprises of many libraries and has a higher level of abstraction. Functionality such as event handling, making AJAX calls, template and data binding, and testing are built into the framework.

* <https://code.tutsplus.com/articles/essential-javascript-libraries-and-frameworks-you-should-know-about--cms-29540>
* <https://www.tutorialspoint.com/jquery/jquery-plugins.htm>
* https://jqueryrain.com

1. **Why is jQuery the most used library?**

jQuery includes reuse of CSS selectors, is unobtrusive, and is simple to use regardless of skill level.

* https://blog.teamtreehouse.com/jquery-popular-javascript-library

1. **What are jQuery selectors and methods?**

jQuery selectors are used to "find" (or select) HTML elements based on their name, id, classes, types, attributes, values of attributes and much more. It's based on the existing CSS Selectors, and in addition, it has some own custom selectors. All selectors in jQuery start with the dollar sign and parentheses: $().

jQuery provides various methods or actions for different tasks e.g. manipulate DOM, events, ajax etc.

(Selector is the target, Method is the action.)

* <https://www.w3schools.com/jquery/jquery_selectors.asp>
* <http://www.tutorialsteacher.com/jquery/jquery-methods>

1. **What is JSON?**

JSON (JavaScript Object Notation) is a lightweight data-interchange format. JSON is a text format that is completely language independent but uses conventions that are familiar to programmers of the C-family of languages, including C, C++, C#, Java, JavaScript, Perl, Python, and many others. These properties make JSON an ideal data-interchange language. JSON data takes the form of objects, arrays, values, strings, and numbers.

* <http://json.org/>

1. **What is AJAX/Fetch?**

AJAX allows web pages to request small chunks of data (such as HTML, XML, JSON, or plain text) and display them only when needed. Use XMLHttpRequest or Fetch to request JSON data. This allows web pages to directly handle making HTTP requests for specific resources available on a server, and formatting the resulting data as needed, before it is displayed.

* <https://developer.mozilla.org/en-US/docs/Learn/JavaScript/Client-side_web_APIs/Fetching_data>
* <https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API>

1. **What is C.R.U.D.?**

Functionality of Create, Read, Update, and Delete resources. A model should have the ability to perform at most these four functions in order to be complete.

* <https://www.codecademy.com/articles/what-is-crud>

1. **How would I use jQuery, JSON and AJAX to create a CRUD application?**

Use jquery methods for each part of CRUD and the use AJAX to pull JSON data.

* https://www.codeofaninja.com/2015/06/php-crud-with-ajax-and-oop.html