List and explain the JavaScript methods that enable us to select elements from the DOM.

All of the js style metods begin with "document" then have the following appended to the end with a "." - .getElementById, .getElementsByTagName, .getElementsByClassName, .querySelectorAll, .(html element title). They all work in the same fashion, for example, in the html there is a <div id="this-tag"> Document.getElementById("this-tag") searches the html for the id tag that is given in the section, and then will perform the action requested. tagName("div") looks for the specific tags like <div>, <p>,<body>, etc. ClassName() looks for the specific class given, class="intro","form", "table", etc. query selector will select an item by the html and css class tags – like "div class="table"" would find all of the div's with a class of table. Lastly is the html objects, it selects the object you link to it, document.form, document.body, .images, etc.

Ref: https://www.w3schools.com/js/js_htmldom_elements.asp

What is the document object? What are some other methods available on the document object that don't select elements from the DOM?

The document object is the reference to the html page you are creating/using. There are a number of methods to select objects, there are also a number of methods to change how they behave when rendered, you can even add or remove whole elements without having to change the html. Changing things uses the element keyword to change an innerHTML element, an associated attribute, even the styleing of said element. You can create new elements, remove/add/replaceChild when allowing for user changes.

Ref: https://www.w3schools.com/js/js_htmldom_document.asp