**PLEASE NOTE: I created an API for this project, so using Visual Studio Code’s Live Server will not allow the page to appear properly. Please use Visual Studio when looking at it.**

1. **Which jQuery plug-in did you include on a page in your website? Why this particular plug-in? Where did you find it? Explain thoroughly here how it is used.**

I used the JQuery tabs plugin, which I found here: <https://jqueryui.com/tabs/>. This plugin allows you to display multiple different pieces of content in a single area and choose which content is displayed by selecting one of the tabs above it. I used this on the “Spectral Rod” page for the “Spectral Bone Locations” section since I did not want users to have to scroll up and down the page a bunch to access the information they needed. I figured that by using tabs, the information will be quickly easily accessible and locatable.

The way the Tabs plugin is used is relatively simple. You will place all the html elements inside some type of container and give this container an id of your choice. Each group of content that will appear when a tab is clicked is in a separate container (which can be a div, an article, etc.—I used articles). Then, above that, you need an ordered or unordered list that contains list items with anchors that correspond to each of these tab containers. Then, you include these 3 items in the head section:

|  |
| --- |
| <link rel="stylesheet"  href="https://code.jquery.com/ui/1.14.1/themes/base/jquery-ui.css">  <script src="https://code.jquery.com/jquery-3.7.1.js"></script>  <script src="https://code.jquery.com/ui/1.14.1/jquery-ui.js"></script> |

Finally, you add this script, replacing #tabs with whatever id you set for the container that contains the tabs and the tab content:

|  |
| --- |
| $( **function**() {  $( "#tabs" ).tabs();  } ); |

1. **What does your CSS media query accomplish?**  
   I have a few CSS media queries in my website. All of them are used to make the website more responsive. For example, I adjusted the padding in some places to be smaller on smaller screens in some locations so more content can fit on the page. Also, on the Spectral Rod page, I didn’t want the video overwhelm the rest of the content by taking by taking up a huge amount of space on larger screens, but still I wanted the video to be easy and clear to see for users on very small screens such as mobile devices, so I used a media query so the video will size differently on extra-small screens versus other devices. I also use media queries to make the font sizes a bit smaller on smaller screens.
2. **Did you record your own movie? If so, what did you use to do so? If not, where did you find the movie that you used?**

I recorded my own video using the Microsoft Game Bar, which is accessible using the shortcut: Windows Key+G.

1. **How does your JavaScript validate your form data?**

My JavaScript code validates that the first name that the user entered is between 2 and 25 characters and also confirms that the first name doesn’t contain any characters other than letters and spaces. Beyond that, my JavaScript function validates that a user had selected at least one of the checkboxes to confirm that they actually selected a type of content to receive emails about.

1. **What about your site do you like most?**

I like all of my site; I like the way it looks, and I like how it functions. I was most excited to try out creating a single page that could be used to display lots of different content based on a querystring, as I had never done something like that before. That is what I did with my fishdetails.html page, which can be accessed by using the various fish buttons on the “Fish” page. I am very happy with how that came out and it is the part that I am most proud of.

1. **Is your website missing any of the required components identified in Part A above? Is anything not working correctly? If so, can you pinpoint why?**

No; I believe I have all required components and they are working as intended.   
(In case you’re having trouble finding the CSS grid, I used it on the buttons on the “Fish” page; the corresponding CSS is in the fish.css file.)