From this assignment, I have learnt the basic use of Bootstrap, JS, AJAX, and had a deeper understanding of CSS.

1. I found that “z-index” will only be effective with “position”.
2. I could not change the style of elements with Bootstrap class. Finally I read material which explains the specificity. When I defined the style in .html instead of .css, and use id of element as selector, it would have a higher specificity. Also we can calculate the specificity of style based on some rules. The bigger the result, the higher the specificity.
3. I had a clearer view of browser render process. So I learned to put JS at a more appropriate location. Usually it is better to put it at the end of body. JS will block the render process.
4. I designed a navigation bar that will stick on the top of the page, with z-index=99, the biggest. The following element’s original location will be under the navigation bar, which will cover the following element. So I made a mask with the same size as the navigation bar to push the main part out. It made me struggle for a long time until I understood the “offsetHeight”, “clientHeight”, etc.
5. Review “position”, “display”, “flex”, etc.
6. Also the mask is responsive. I can add multiple “addeventlistener”.
7. When I wrote the js, I looked up the difference between “==” and “===”. The “==” will cause many type coercion, so “===” helps avoid much development cost.
8. Understood clearly when to use “get” or “post” when I use ajax to request data from api.
9. To use jquery in webstorm, I need to configure the library first.

I have spent approximately 24 hours on this assignment, because not only did I need to code, but also I need to finish reading to really understand what the problem is and how to fix it. It is meaningful.

This week I feel the workload is very suitable for me. Nevertheless, there will always be questions when I keep learning and coding.