Assignment: Most Browsers Don't Need to Vibrate

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This assignment is due at 11:59:59PM on Mar. 4, 2019. Please send your writeup and `example.js` to xshi23@jhu.edu.

Disclaimer: This assignment does not need your browser to vibrate, but feel free to try.

1 Be a Web API Manager

When the authors of this paper created blocking policies, they manually recorded features in JSON files. You can find the JSON files in this repo.

You can see that each JSON file represents a standard, and the file structure is pretty self-explanatory. But here is the problem: When the paper rolled out in 2017, they recorded the API for User Timing Level 2 in this JSON file. However, a new API of User Timing Level 3 was published on Mar. 3, 2019.

Please write a `UTL_new.json` that documents User Timing Level 3, with number `81` in the `id` field. you can use the instructions here to learn about documentation.

2 Remove Features from the DOM

The paper discussed how to disable features directly from `DOM`. Please look at `index.html` and `example.js`. Suppose that we are filtering out the feature of `document.getElementsByTagName()`. *hint: JavaScript supports overriding.

Please answer the following questions:

- Please provide one line of code in your writeup that disables, nullifies, incapacitates `document.getElementsByTagName()`.

- Does your modification change `div1.getElemebtsByTagName()`? Why or why not?

Next, please modify `document.getElementsbyTagName()` in the file `example.js`, so that it filters our the word `"out"` contained in `<p>` tags.

3   To vibrate or not to vibrate?

Let's go back to the list of standards that the paper is operation on, which can be found here. Pick a standard of your choice and answer the following questions:

- What is this standard? Under what circumstances is it useful?

- What CVEs are related to this standard? Briefly describe two of them.

- Can you think of a scenario that this standard should be blocked? Should it be blocked partially or entirely?