



getElementsByStyle



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Medium



20mins



1.1k done

Implement a method `getElementsByStyle()` that finds DOM elements that are rendered by the browser using the specified style. It is similar to `Element.getElementsByClassName()` but with some differences:

- It is a pure function which takes in an element, a property string, and a value string representing the style's property/value pair to be matched on the elements descendants. E.g.
`getElementsByStyle(document.body, 'font-size', '12px') .`
- Similar to `Element.getElementsByClassName()` , only descendants of the element argument are searched, not the element itself.
- Return an array of `Element` s, instead of an `HTMLCollection` of `Element` s.

Do not use `document.querySelectorAll()` which will make the problem trivial otherwise. You will not be allowed to use it during real interviews.

Examples

```
1  const doc = new DOMParser().parseFromString(  
2    `

3      <span style="font-size: 12px">Span</span>  
4      <p style="font-size: 12px">Paragraph</p>  
5      <blockquote style="font-size: 14px">Blockquote</blockquote>  
6    </div>`,  
7    'text/html',  
8  );  
9  
10 getElementsByStyle(doc.body, 'font-size', '12px');  
11 // [span, p] <-- This is an array of elements.


```

Hint

You might find the `Window.getComputedStyle()` method helpful.

Resources

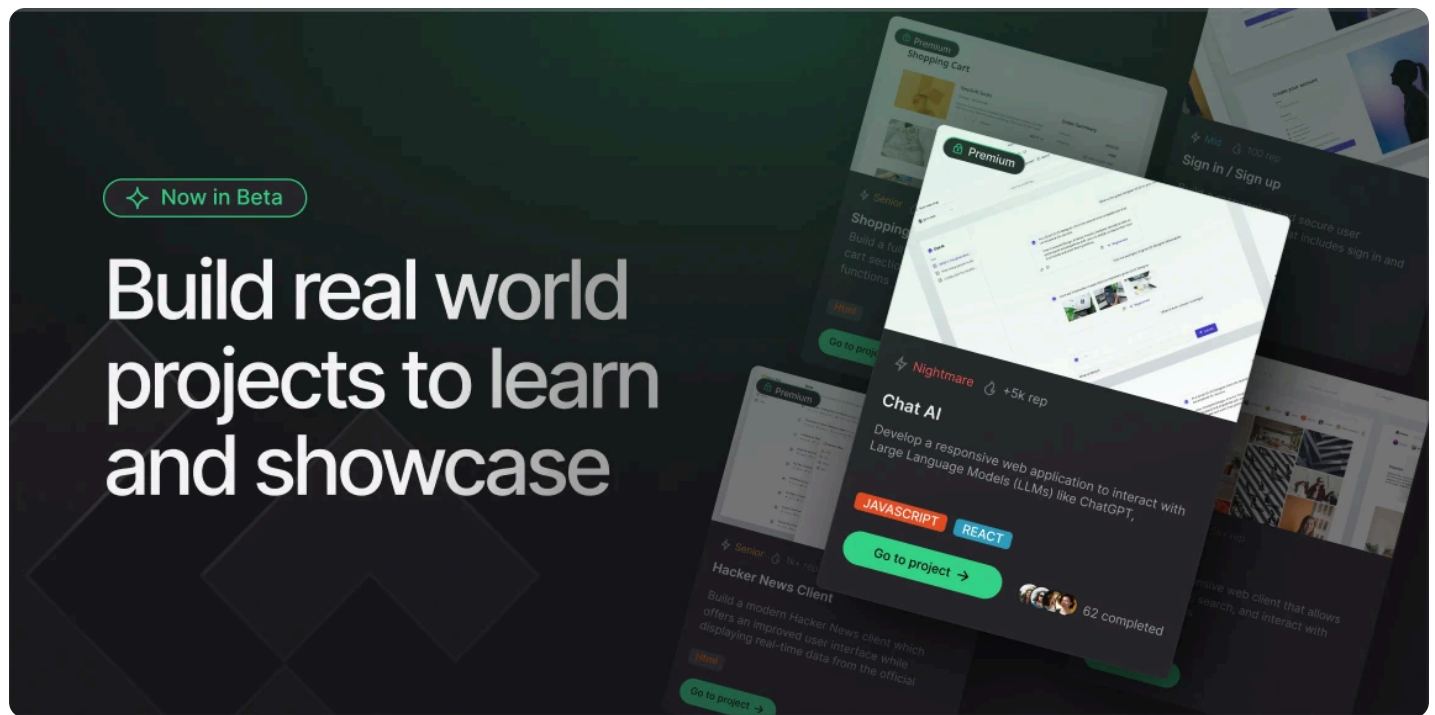
- [Window: getComputedStyle\(\) method - Web APIs | MDN](#)

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