**JSDOM: Updating the DOM**

**Instructions**

You are being asked to write a few functions to support a typical web page that updates the DOM. When the page loads these functions will add structural and style constructs to the DOM.

*Note: initially the web preview may appear broken because the code is not complete. As you complete the code the web preview will display correctly and your tests will pass*  
Note: If you are working on an external editor don't forget to run npm install and npm start

**Existing Files**

| **File** | **Description** |
| --- | --- |
| test/solution.test.js | Contains test code. You are welcome to look at this file but do not modify it. |
| index.html | The HTML code for the website. Examine this code carefully to understand the DOM and target the necessary elements. You should not modify this file. |
| src/index.js | The JavaScript code for the webpage. Write your solutions in this file. |
| src/styles.css | The CSS code for the webpage. There is no need to edit this file. |

**Tasks**

Write the following functions in the src/index.js file.

*NOTE: These methods do not need to return any values.*

**addHeadings()**

On the HTML the article elements contain only text. Update all articles so they contain h2 headings. For example the <article>Article 1</article> should become <article><h2>Article 1</h2></article>.

**styleTutorialsAndArticles()**

Some of the articles on the HTML are actually tutorials. We want these to be styled differently from the other articles. For all article elements on the HTML add a class. If the article contain the word "Tutorial" add the class "tutorial" otherwise add the class "article". For example, this HTML:

<article>Article 3</article>

<article>Tutorial 1</article>

should become this:

<article class="article">Article 3</article>

<article class="tutorial">Tutorial 1</article>

**separateAllTutorials()**

Remove all tutorials from the set of articles in the section with the class "articles". Create a new section element with the class "tutorials" and add the tutorials to that new section. The new section should be appended to the div with class container. If there are no tutorials then do not create the new section.