

Week 4 – Exercise

In this exercise, you'll have to adapt the previous exercise (week 3) to NPM, Webpack and Handlebars. These are the requirements:

- All JavaScript files must be inside a directory called **src/**.
- Webpack's output will be to a directory called **dist/**.
- There will be at least a script called "**start**" which will launch Webpack's dev server.
- Inside the directory **templates/** there will be a template called **product.handlebars**. This template will generate the product's HTML that goes inside `<div class="card shadow">`.
 - Notice that a the product's creation **date** is present now in the generated card
- The parent element `<div class="card shadow">` will be created inside the **toHTML()** using `document.createElement`. Use Handlebars to get its content from the template and add it to the parent element (using **innerHTML**).
- Although Handlebars can use helper functions extend its capabilities (by default it's very limited), we will format all the info (images, date) before passing it to the template. Create a copy of the product object and format the data:

```
let prodJSON = {...this};
prodJSON.datePublished = ...;
prodJSON.category = ...;
```

```
let prod = prodTemplate(prodJSON);
card.innerHTML = prod;
```

```
// Use card.querySelector to get references to elements in the card and
put the necessary click events.
```

- Edit HTML files to only load (`<script>`) 3 JavaScript files:
 - One of them should be the **vendor** code (node_modules) → use **SplitChunksPlugin**
 - One of them should be the **common** code imported from 2 modules or more → use **SplitChunksPlugin**
 - The other should be `index.js` (`index.html`) or `add-product.js` (`add-product.html`).
- Use the **import/export** statement to load classes, functions, constants, etc. from other files.
 - If you configure ESLint, it will warn you when you are using anything you haven't declared or imported.
- Install **momentjs** to format the date:

```
npm i moment
```

```
import * as moment from 'moment';
...
... moment(this.date).fromNow();
```

- Add this CSS rule to your project, or the product description won't show line breaks:

```
.card-body .card-text {  
  white-space: pre-wrap;  
}
```