

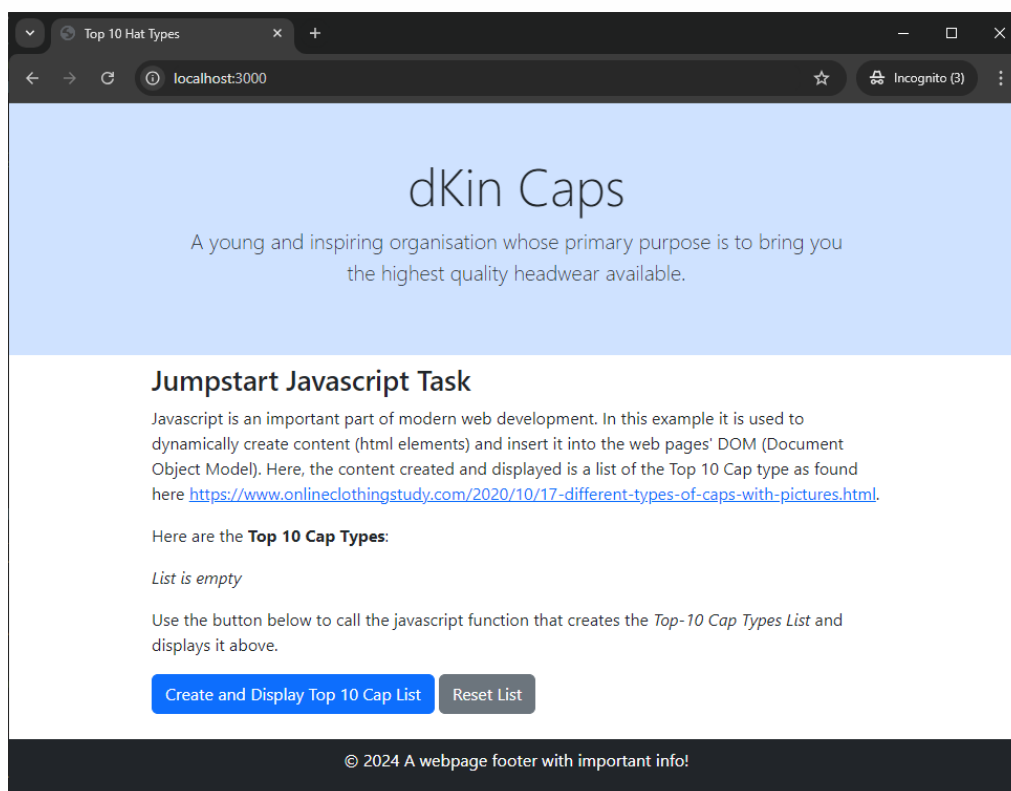
## 6.1P: Jumpstart JavaScript

### Tasks

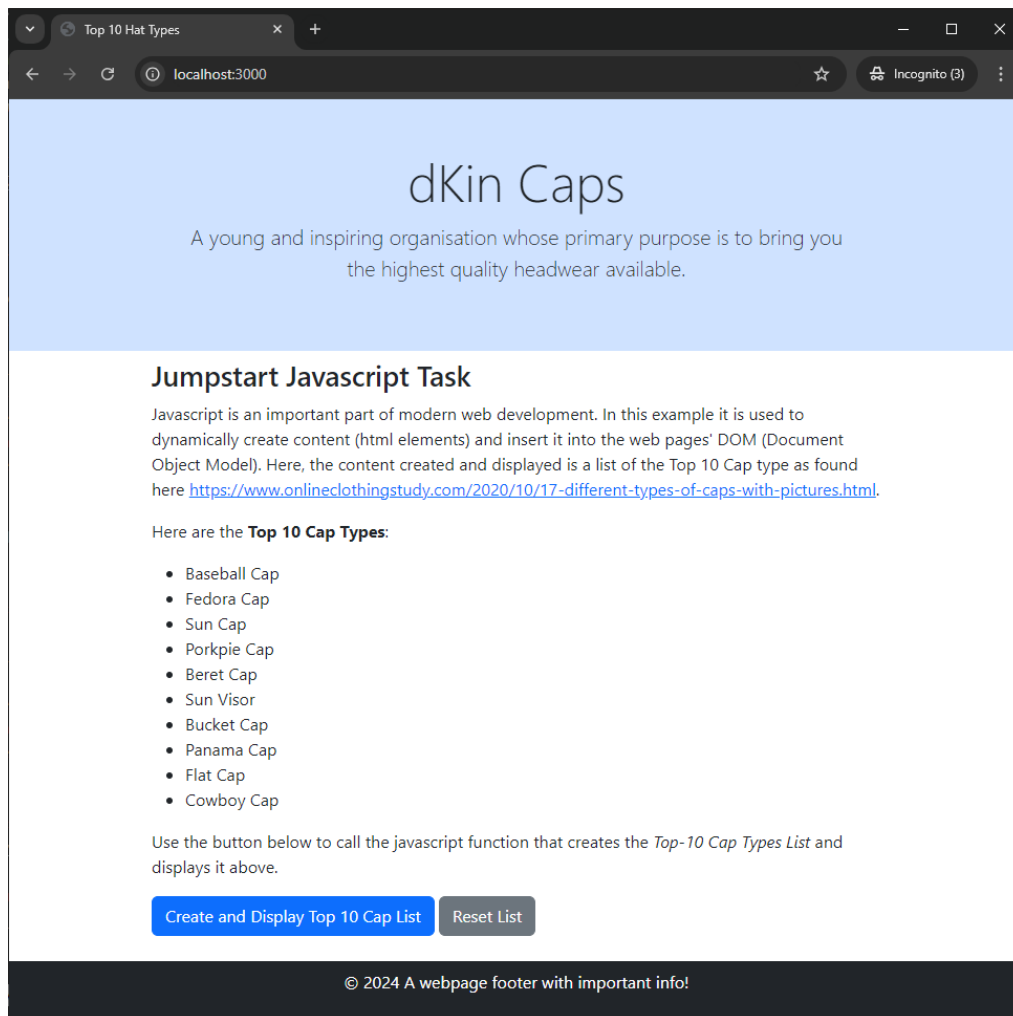
Including *Javascript* with your *HTML* and *CSS* code enables your webpage to be far more interactive and dynamic. In this task you will explore how to create content **dynamically** within your web page using javascript arrays, loops and functions.

In this task, you are required to create an **unordered list** that is built *dynamically* and contains the Top 10 Cap Styles as found on the web (<https://www.onlineclothingstudy.com/2020/10/17-different-types-of-caps-with-pictures.html>). This list should be created when the user clicks a button.

A sample structure for the page (before and after) is shown below:



Task6.1.1 Jumpstart Javascript - Cap List is empty



Task6.1.2 Jumpstart Javascript - Top 10 Cap List is populated

To complete this tasks, you are asked to create a javascript function called `buildCapList()` that you will add to a file called `capList.js`. We have provided you with the frontend HTML code (using the bootstrap framework) that you can use as a basis of this project. The `html` file can be found in the resources tab in this task's OnTrack page (located in bottom right hand corner of task-page). You will also be required to add a javascript function called `removeCapList()` to delete/remove the list of caps, which is assigned to the *Reset List* button on the page.

## Hints

- In the Javascript function that builds the ordered list of popular cap types from an array of strings. You will need to create an array of strings (a string for each of the cap type names).
- The `div` block within the webpage called `top_cap_list` is the section that you will be replacing with new HTML content, i.e., the newly created ordered list.
- To replace the existing content, you must first remove the current content (initially a paragraph saying *List is empty* but can be previously added list of caps) by using the `removeChild()` method.
- You can then add the cap list as a child of the `top_cap_list` div using the `appendChild()` method.

- The fragment of javascript that defines the array holding the 10 cap types is given below:

```
// List drawn from https://www.onlineclothingstudy.com/2020/10/17-different-types-of-caps-with-pictures.html
const capArray = [
  "Baseball Cap",
  "Fedora Cap",
  "Sun Cap",
  "Porkpie Cap",
  "Beret Cap",
  "Sun Visor",
  "Bucket Cap",
  "Panama Cap",
  "Flat Cap",
  "Cowboy Cap"
];
```

**NOTE:** In your browser's console (from the developers->inspect tool), check to see if there are any errors displayed from your page/javascript, especially in the case where you hit the *Create List* button a second time. This may require you to look at how you create/remove the existing content (or nodes) from the DOM.

## What will you submit?

You should submit:

- Screen-shot of the web page showing the output **before** the button has been clicked.
- Screen-shot of the web page showing the output of **after** the button has been clicked.
- The HTML file of the webpage task6-1.html
- The new javascript file capList.js