Assignment 2 (10%) / ES6 and Ajax Calls

- Create a mobile web site (Create a new folder to hold all files/folders))
  - **index.html**
  - **css folder** that includes a *css* file that is named **yourUserName.css** (ex. doej.css)
  - **js folder** that includes your *personal .js* script file that is named using **yourUserName.js** (ex. doej.js)
  - **images folder** to hold any images needed for exercise
  - **pages folder** to hold the 2nd page of the assignment called from index.html
- Enter *YOUR NAME* in the <title> tags AND your name and student number in a comment at the top of the index.html page

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- Header area that includes "Random Jokes *Your Login Name*"; This header MUST be on all pages
- Footer line that includes *Your Full Name / Your Student Number / Your Campus / Your picture*; this footer MUST be on both pages and span the entire page
- *NOTE: The picture of you* must be small; it should be small enough not to create scrolling on either page / not much bigger than the text in the footer

  Background :
  Carefully study the following API to learn how it is used:

  ## http://www.icndb.com/api/

The following API calls would be particularly useful for this assessment :

http://api.icndb.com/jokes/random

http://api.icndb.com/categories

http://api.icndb.com/jokes/random?limitTo=Array

Example:

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1) http://api.icndb.com/jokes/random?limitTo=[nerdy]
2) http://api.icndb.com/jokes/random?limitTo=[nerdy,explicit]
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- Content area on the **main entry page** for allowing people to select will include the following:
    - An Empty Dropdown List.
    - A Button called 'Make Me laugh !'.
    - Write a function that populates the Dropdown list with Categories of jokes retrieved from the API Key and list the names to the user. This function must be triggered at page load.
    - When the Button is clicked, with a category being selected, Make an AJAX call using the appropriate API end point to display a Random Chuck Norris joke to the user on the Quote page.
    - Provide a 'Select an Option' element in the dropdown list. If the User doesn't select an option and leaves it to the 'Select an Option' item, generate a random joke use the appropriate API end point.
    - Layout **MUST** use CSS grid with at least 1 column for the main entry section of the page. You decide page layout (for example, entry fields on one side with button on the other; split entry fields between two columns with button underneath; etc.). Remember, the layout must fit in the mobile area as specified below.
    - Formatting, layout, colours, background, size, and labeling will all be considered in grading
    - The Joke data **MUST** be saved to local storage on button click before calling the quote page and ES6 concepts used where applicable.

- Content on the **quote page** (a separate page with a separate css file - a separate .js file is **required**) will include the following once button is clicked:
    - Header (same as on main page)
    - Chuck Norris Image
    - The Random Joke generated and saved by the index page and duly saved to local storage.
    - The category selected by the user. (in case the user doesn't select a category, any 'Any')
    - Footer (same as on main page)
    - All information **MUST** be labeled and formatting, layout, colours, background, and size will all be considered in grading; This page must also be mobile so grid areas could be used;
    - Data **MUST** be pulled from local storage in order to fill in quote page and ES6 concepts used where applicable. Include output areas for data and use JavaScript to fill in output areas;

NOTE: One way to call a function on page load is to use the onload="functionName()" in the <body> tag

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How I will be grading exercise...

- o I will be using **Chrome's Toggle Device Bar for Galaxy S5 in Landscape mode only**
- o Remember, this is a **mobile site** so formatting and layout should reflect this; too much scrolling or whitespace will reduce your mark.

What to submit...

- o Publish site to your cPanel account in an Assignments folder (does not have to be password protected) or a folder of your choice
- o To include in SLATE drop box:
    - ▪ ZIP the site folder / make sure all files/folders are included
    - ▪ Include a URL to your published site in the comment section
    - ▪ Include the username and password needed for me to access your Assignments folder **ONLY IF YOU HAVE PASSWORD PROTECTED YOUR SITE**
- o Remember:
    - ▪ Once published, DO NOT change the site on cPanel. I will be running a script to check for publish date; if it differs from submission date, marks will be deducted
    - ▪ You have 3 days past the due date with 10% off per day to submit; After 3 days, the exercise will no longer be accepted
    - ▪ Sites not published will have 50% deducted automatically
    - ▪ See **Academic Procedures for Evaluations** in SLATE for full details on submission evaluations
        - ▪ Each assignment must be done individually.
    I will be checking for copying especially if the assignments look similar and will file an academic integrity breach if necessary

    - ▪ This is not an assignment that should be started the day it is due. Since you have 2 weeks to complete the assignment, NO EXTENSIONS to the due date will be given.

Grading Rubric...

Header and Footer / both pages	1
Main page setup (mobile), layout, formatting, and local storage	2.5
Quote page setup (mobile), layout formatting, and local storage	2.5
Functions that generate random jokes using the correct API end points.	4
Not published (over and above)	-5
Mobile / Both pages must fit in mobile space with minimal scrolling (over and above)	-2