

 readme.md

Portfolio Activity - Portfolio Activity - Task 7 - Social Media Integration

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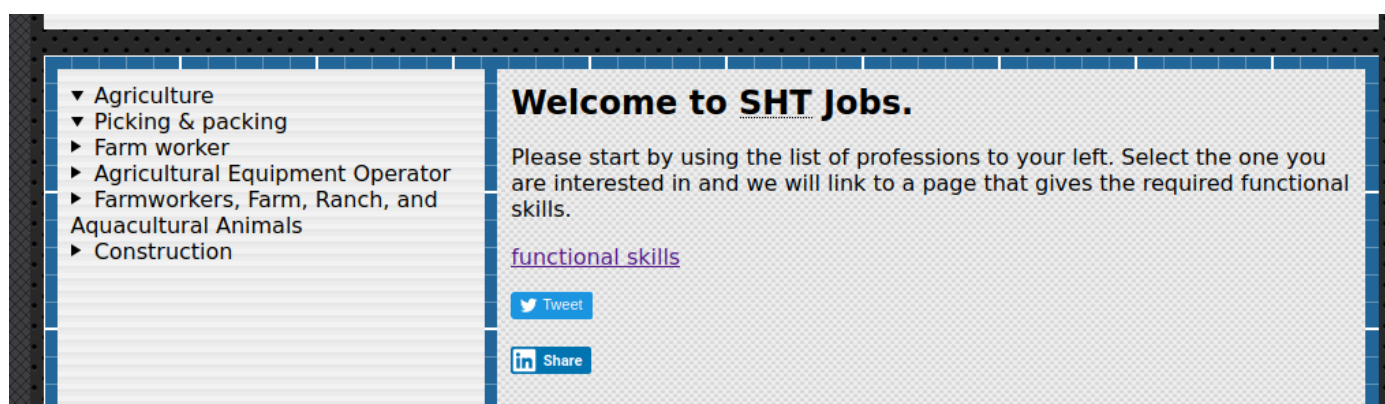
Project URL: <https://j354374.github.io/fed-scripting/project-task7-4page-site/>

## Website Audience

The audience is job seekers especially those for whom the income from a job would improve their standard of living. It site is to be used by people who are keen to work but are struggling with standard recruitment processes. The concept is that we flip recruitment so that workers are much more informed and empowered. We tell them where the work is and where the labour shortages are by data mining the information from publicly available sources such as the Australian Bureau of Statistics. The website also gives job seekers a listing of the core skills needed for a job to help them find the work they are suitable for.

## The implementation may be share/like buttons, a feed from social media / network page and/or a follow me button

The index page shows a listing of industries (only two for now but it can be expanded) and when you click on the arrow it expands a list of roles in that industry. If you click on the role it shows a hyperlink to a webpage with a list of functional skills required for that role. Javascript embedded in the website renders a Twitter and LinkedIn share button. These were built use the code provided by Twitter and Microsoft and integrated with the website using additional Javascript code developed for this purpose.



Please note an earlier version of the twitter button was rendered using the JavaScript document object model but it could only create the hyperlink. When the twitter code snippet was called that renders the share button it broke the code.

Please see the following stackoverflow:

<https://stackoverflow.com/questions/64923081/using-twitter-widgets-with-html-anchor-a-tag-rendered-by-javascript>

The solution was to use `twtr.widgets.createShareButton` to create the share button rather than coding it myself.

## Implementation must take into consideration the social media guidelines you have created and implemented for your client as well as coding principles and best practice according to industry standards.

Yes, all Javascript including onclick handlers is removed from the HTML file. The Javascript loaded using the init function and window.onload. It adheres to the social media guidelines as it provides them with current and reliable information and does not contravene any consumer laws.

## Code is to be validated & tested before uploading for assessment.

The code has been tested in Chrome and Firefox. The HTML5 data and summary tags required a polyfill to work in IE and Edge. The social media share buttons do not work in IE 11 but they do work in Edge.

Code has been validated in jshint:

```

1  // intergrated Twitter and LinkedIn
2  function init() {
3    'use strict';
4
5    function lnShare(fs) { // function to render the script that renders the LinkedIn
6      console.log("lnShare started");
7      const ln = document.createElement('script');
8      ln.id = "LN";
9      ln.type = "IN/Share";
10     console.log(fs);
11     ln.setAttribute("data-url", fs); //changed from fs.href to just fs to get worki
12     console.log(ln);
13     return ln;
14   }
15   //include function for twitter widgets supplied by Twitter
16   (function(d, s, id) {
17     var js, fjs = d.getElementsByTagName(s)[0];
18     if(!d.getElementById(id)) {
19       js = d.createElement(s);
20       js.id = id;
21       js.src = "https://platform.twitter.com/widgets.js";
22       fjs.parentNode.insertBefore(js, fjs);
23     }
24   })(document, "script", "twitter-wjs");//end code for twitter widgets
25   document.getElementById('twitter-wjs').addEventListener('load', function() {
26     const root = "https://www.onetonline.org/link/summary/";
27     //const twt = "https://twitter.com/intent/tweet?url=";
28     const fs = document.createElement('a'); // creates the anchor for the link to t
29     fs.id = "FS";
30     const linkText = document.createTextNode("functional skills");
31     fs.appendChild(linkText);
32     fs.classList.add("hide");
33     fs.title = "functional skills";
34     fs.href = "https://www.onetonline.org/link/summary/";
35     //document.body.appendChild(fs);
36     document.getElementById("p1").appendChild(fs);
37     document.getElementById("container").addEventListener("click", function(e) {
38       const tgt = e.target;
39       const isSummary = tgt.tagName === "SUMMARY";
40       const code = tgt.dataset.code;
41       const job = tgt.textContent;
42       fs.classList.toggle("hide", !isSummary || !code); // show only if summary AND
43       if(isSummary && code) { // start if statement block
44         fs.href = root + code;
45         document.getElementById("p2").innerHTML = ""; // clear the previous tweet b
46         twttr.widgets.createShareButton(root + code, document.getElementById('p2'),
47           text: job
48         );
49         document.getElementById("p3").innerHTML = ""; // clear the previous LinkedI
50         const ln = lnShare(fs.href);
51         console.log('ln:');
52         console.log(ln);
53         document.getElementById("p3").appendChild(ln);
54         IN.parse();
55       } // end if
56     });
57   });
58 } // End of init() function.
59 window.onload = init;
60

```

#### CONFIGURE

#### Metrics

There are 5 functions in this file.

Function with the largest signature take 3 arguments, while the median is 1.

Largest function has 15 statements in it, while the median is 8.

The most complex function has a cyclomatic complexity value of 4 while the median is 1.

#### Two undefined variables

46 twttr

54 IN

Please note that it didn't recognise the variables IN and twttr but these are called from different scripts developed by Microsoft and Twitter. One is called from the HTML file and the other is called from Twitter's code snippet.

I ran jslint against the code with the following options:

Assume...	Tolerate...	Global variables...
<input type="checkbox"/> in development	<input type="checkbox"/> bitwise operators	IN twttr
<input checked="" type="checkbox"/> a browser	<input type="checkbox"/> conversion operators	
<input type="checkbox"/> CouchDB	<input type="checkbox"/> eval	
<input type="checkbox"/> Node.js	<input type="checkbox"/> for statement	
	<input type="checkbox"/> get and set	
<b>Fudge...</b>	<input checked="" type="checkbox"/> long lines	
<input type="checkbox"/> First line number is 1	<input checked="" type="checkbox"/> single quote strings	
	<input type="checkbox"/> this	
	<input checked="" type="checkbox"/> whitespace mess	

and got this in response:

JSLint

clear

Warnings

JSLint was unable to finish.

Expected ';' and instead saw ','.

var js, fjs = d.getElementsByTagName(s)[0];

Unexpected ','.

var js, fjs = d.getElementsByTagName(s)[0];

Please note that those lines are from the twitter code snippet. Although I assume this is not a concern it does also say "JSLint was unable to finish." The following stackoverflow article sheds some light on this issue: <https://stackoverflow.com/questions/34862541/expected-and-instead-saw-jslint-multivar-setting>

In the version in jsLint (but not the main code) I have changed the lines to following:

```
var js;
var fjs = d.getElementsByTagName(s)[0];
```

After running the linter again I got the following output:

JSLint

clear

Warnings

Undeclared 'console'.

console.log("InShare started");

5.2

Undeclared 'console'.

console.log(fs);

9.2

Undeclared 'console'.

console.log(ln);

11.2

Undeclared 'console'.

console.log('ln:');

50.4

Undeclared 'console'.

console.log(ln);

51.4

It didn't like my console logs. They were only used for troubleshooting and debugging so I no longer need them and they have been removed.

jslint now gives the following function report showing no warnings or errors:

JSLint

clear

Function Report

global

IN, document, init, twttr, window

init()

variable

closure

global

InShare

InShare

document

1

InShare(fs)

parameter

variable

global

fs

ln

document

4

«ln»(d, s, id)

parameter

variable

d, id, s

fjs, js

15

«load»()

variable

closure

global

fs, linkText, root

fs, root

document

25

«click»(e)

parameter

variable

outer

global

e

code, isSummary, job, ln, tgt

fs, InShare, root

IN, document, twttr

36

JSLint edition 2020-11-06

the index.html does give 1 error and 1 warning:

1. **Warning** The `type` attribute is unnecessary for JavaScript resources.  
[From line 101, column 3, to line 101, column 75](#)  
`script>` `<script src="https://platform.linkedin.com/in.js" type="text/javascript">lang:`
2. **Error** The text content of element `script` was not in the required format: Expected space, tab, newline, or slash but found `<` instead.  
[From line 101, column 87, to line 101, column 95](#)  
`ang: en_US</script>`

However this is the code verbatim provided by Microsoft:

```
<script src="https://platform.linkedin.com/in.js" type="text/javascript">lang: en_US</script>
```

I don't want to change it in case it breaks the script.

about.html:

## Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

### Showing results for contents of text-input area

Checker input

Show ☒ source ☐ outline ☐ image report

Check by  ☐ css

```
<!doctype html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>SHT Jobs board</title>
```

```
<link href="css/style.css" rel="stylesheet" type="text/css">
<link href="css/icofont.min.css" rel="stylesheet">
</head>
<body>
  <div id="wrapper">
    <header>
      <h1><abbr title="Synthesized Hiring Technology">SHT</abbr> Jobs</h1><i class="icofont-search-job icofont-3x"></i><br>
<blockquote>"It's better to buy the rough and find the diamond than buy the diamond and find the rough."</blockquote>

```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

1. **Warning** Section lacks heading. Consider using `h2` - `h6` elements to [add identifying headings to all sections](#).  
From line 29, column 1; to line 29, column 31

```
>... <main>...<section class="about-section"><artic
```

Document checking completed.

contact.html:

## Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

### Showing results for contents of text-input area

Checker input

Show ☒ source ☐ outline ☐ image report

Check by  ☐ css

```
<!doctype html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>SHT Jobs board</title>
```

```
<link href="css/style.css" rel="stylesheet" type="text/css">
<link href="css/icofont.min.css" rel="stylesheet">
</head>
<body>
  <div id="wrapper">
    <header>
      <h1><abbr title="Synthesized Hiring Technology">SHT</abbr> Jobs</h1><i class="icofont-search-job icofont-3x"></i><br>
<blockquote>"It's better to buy the rough and find the diamond than buy the diamond and find the rough."</blockquote>
</header>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

1. **Warning** Section lacks heading. Consider using `h2` - `h6` elements to [add identifying headings to all sections](#).  
From line 28, column 2; to line 28, column 34

```
>... <main>...<section class="contact-section">...<form
```

Document checking completed.

data.html:

## Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

### Showing results for contents of text-input area

Checker input

Show ☒ source ☐ outline ☐ image report

Check by  ☐ css

```
<!doctype html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>SHT Jobs board</title>
```

```
<link href="css/style.css" rel="stylesheet" type="text/css">
<link href="css/icofont.min.css" rel="stylesheet">
</head>
<body>
  <div id="wrapper">
    <header>
      <h1><abbr title="Synthesized Hiring Technology">SHT</abbr> Jobs</h1><i class="icofont-search-job icofont-3x"></i><br>
<blockquote>"It's better to buy the rough and find the diamond than buy the diamond and find the rough."</blockquote>
</header>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

1. **Warning** Section lacks heading. Consider using `h2` - `h6` elements to [add identifying headings to all sections](#).  
From line 28, column 1; to line 28, column 30

```
>... <main>...<section class="data-section">...<ta
```

Document checking completed.

reports.html:

### Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

#### Showing results for contents of text-input area

Checker Input

Show

☒ source

☐ outline

☐ image report

Options...

Check by

text input

☐ css

```
<!doctype html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>SHT Jobs board</title>

<link href="css/style.css" rel="stylesheet" type="text/css">
<link href="css/icofont.min.css" rel="stylesheet">
</head>
<body>
  <div id="wrapper">
    <header>
      <h1>cabbr title="Synthesized Hiring Technology">SHT</abbr> Jobs</h1><i class="icofont-search-job icofont-3x"></i><br>
    <blockquote>"It's better to buy the rough and find the diamond than buy the diamond and find the rough."</blockquote>
  </div>
</body>
</html>
```

Check

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

1.

Warning

Section lacks heading. Consider using `h2 - h6` elements to add identifying headings to all sections.

From line 29, column 1: to line 29, column 32

```
<main><section class="report-section">
</main>
```

Document checking completed.

style-css-validation:

Jump to:

Warnings (2)


Validated CSS

### W3C CSS Validator results for TextArea (CSS level 3 + SVG)


**Congratulations! No Error Found.**

This document validates as **CSS level 3 + SVG** !

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:



```
<a href="http://jigsaw.w3.org/css-validator/check/referer">
  
</a>
```



```
<a href="http://jigsaw.w3.org/css-validator/check/referer">
  
</a>
```

(close the img tag with > instead of /> if using HTML <= 4.01)



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If you like, you can download a copy of this image to keep in your local web directory, and change the XHTML fragment above to reference your local image rather than the one on this server.

If you would like to create a link to this page (i.e., this validation result) to make it easier to re-validate this page in the future or to allow others to validate your page, the URI is:

http://jigsaw.w3.org/css-validator/validator\$link

or

http://jigsaw.w3.org/css-validator/check/referer (for HTML/XML document only)

(Or, you can just add the current page to your bookmarks or hotlist.)

## references

<http://beautifytools.com/javascript-beautifier.php>

[https://www.w3schools.com/jsref/prop\\_node\\_textcontent.asp](https://www.w3schools.com/jsref/prop_node_textcontent.asp)

<https://developer.twitter.com/en/docs/twitter-for-websites/tweet-button/guides/javascript-factory-function>

<https://docs.microsoft.com/en-us/linkedin/consumer/integrations/self-serve/plugins/share-plugin>

<https://stackoverflow.com/questions/14596164/adding-a-script-tag-to-the-dom-with-javascript-in-ie-with-data-attribute>

[https://www.w3schools.com/jsref/met\\_element\\_setattribute.asp](https://www.w3schools.com/jsref/met_element_setattribute.asp)

<https://developer.twitter.com/en/docs/twitter-for-websites/tweet-button/overview>

An image from an underground mining vehicle was included from Wikipedia. Please see: [https://en.wikipedia.org/wiki/Underground\\_mining\\_\(soft\\_rock\)](https://en.wikipedia.org/wiki/Underground_mining_(soft_rock)) [https://en.wikipedia.org/wiki/Underground\\_mining\\_\(soft\\_rock\)#/media/File:VKG\\_Ojamaa\\_kaevandus.jpg](https://en.wikipedia.org/wiki/Underground_mining_(soft_rock)#/media/File:VKG_Ojamaa_kaevandus.jpg)

Icons provided by Icofont(<https://icofont.com/>). Background images from SVG Patterns Gallery(<https://philiprogers.com/svgpatterns/>), SVG Backgrounds (<https://www.svgbackgrounds.com/#flat-mountains>) and the cloud header was from loading.io. (<https://loading.io/background/m-clouds>)

skills.js script was written by mplungjan (online alias) in response to the following [stackoverflow question](#) please also see the codepen: <https://codepen.io/j354374/pen/WNxyReJ>

HTML/CSS tables were written with reference to the following [codepen](#) by [Matt Smith](#).