

 readme.md

Portfolio Activity - Assessment 2 - Major Project

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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.

Implement the Form with validation and determine what functional features you will use JavaScript to implement into the project website

The validation checks that the user has entered valid contact information such as name, email address, phone number and postcode. It also asks for a subject reason for submitting the form. The subject is specific to this project and not used on the previous one.

Determine what social media your project requires to be integrated into the website and document what would work best for you.

The project requires LinkedIn in integration as people use that site when they are looking for work and furthering their career. The site also has twitter integration as that is a widely used micro-blogging service that can disseminate information very rapidly.

Provide an explanation of the benefits and negative aspects of the social media you would recommend for your site

The benefits are that information from the website can reach a wider audience by spreading through the social networks and directly being seen by the contacts and followers of the website user.

Create a social media guideline detailing what would be the indicators of a successful implementation of social media into your site

Social media metrics are similar to Key Performance Indicators for other parts of the business. Each social media site provides analytics for example in Twitter these are available to all users. Instagram and Pinterest require you to establish a business account first.

The metrics of highest importance are:

- Engagement e.g. Likes, comments, shares and clicks, retweets
- Awareness: Impressions and reach
- Volume and sentiment
- ROI: Referrals & conversions
- Customer care: Response rate & time

Integrate social media and JavaScript functionality so that is does not distract from the overall design yet is a part of it.

The integration is quite clean. Discreet share buttons appear for Twitter and LinkedIn when the website user chooses a job role and a link to a page with more information is rendered. The share buttons now allow that information to be shared to their social network.

Implement chosen JavaScript functionality by creating the code required,

customising the HTML/CSS as needed, Debug, document and test, keeping a record of what was done.

The form has been integrated with the projects contact page. The buttons were updated so that they maintained the existing site theme and were the same as on the previous contact form. A comments textarea has been added. At first there was a bug with this that about 4 blank spaces were added to the textarea but this was fixed by putting the opening and closing tags directly adjacents with no spaces between them.

The JavaScript file (register.js) was updated so that these fields could be handled including the validation.

There were many undefined variables and warnings in jshint as follows:

Ten undefined variables

```
10 email
44 email
46 email
48 email
12 firstName
24 firstName
27 firstName
29 firstName
13 lastName
33 lastName
36 lastName
38 lastName
14 phone
54 phone
56 phone
58 phone
15 city
63 city
65 city
16 state
69 state
71 state
17 reason
83 reason
85 reason
18 zip
75 zip
77 zip
79 zip
```

This has been fixed by moving the const statements out of the checkInputs function and into global declarations at the top.

We need to ensure that once all the checks pass the form is ready to submit. I have created a new variable:

```
var submitReady = true;
```

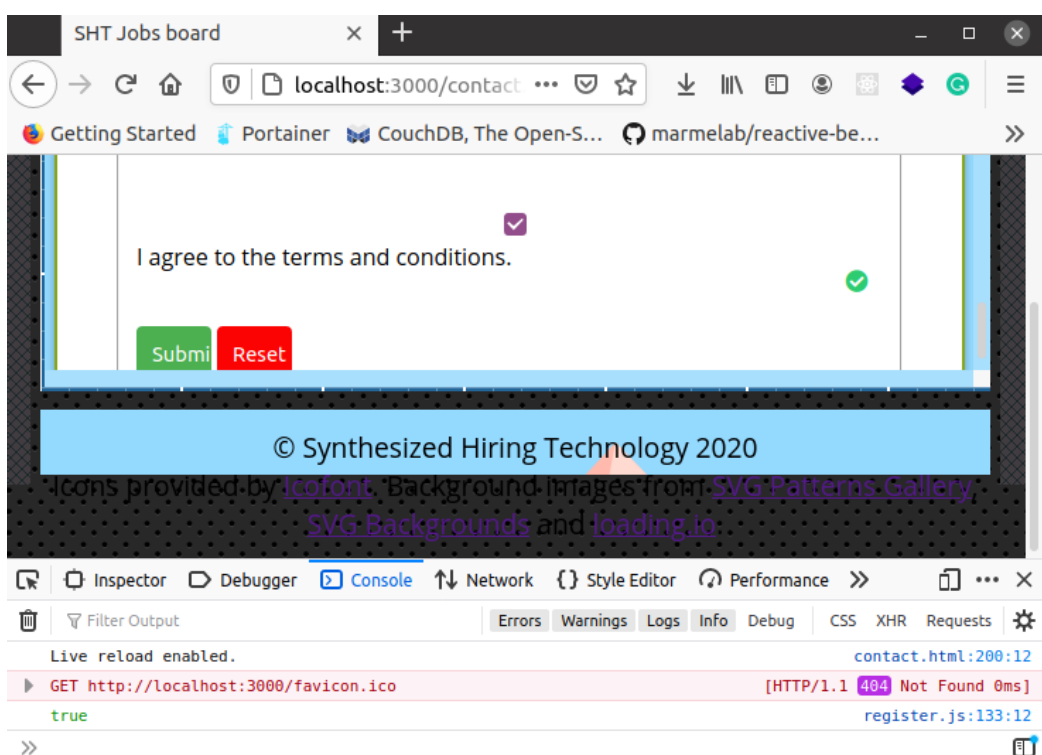
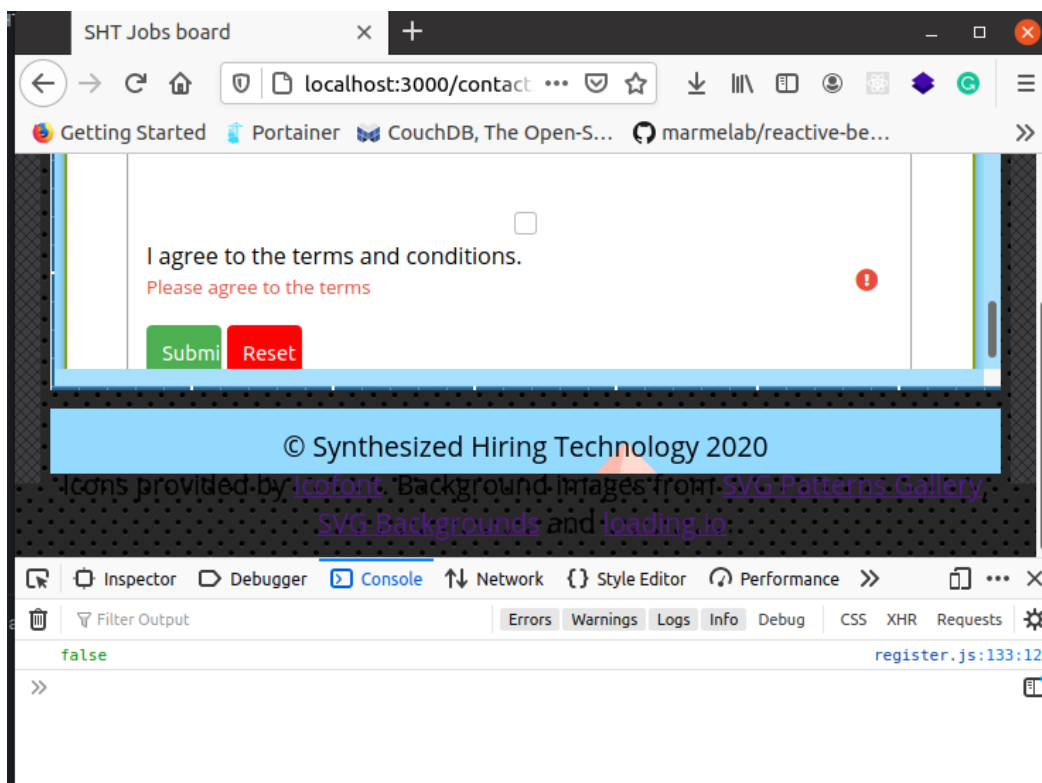
at each error it sets:

```
submitReady = false;
```

and to test this we added

```
console.log(submitReady);
```

And we can see it's working:



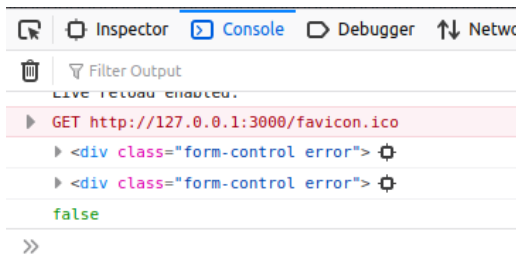
so now we add:

```
if (submitReady == true ) {
  form.submit();
}
```

and the form now submits.

There was another issue that the comments textarea was showing a red border.

I entered a console log entry for formControl:



After a number of trial and errors I created the following functions specific to the textarea box:

```
function tsetErrorFor(textarea, message) {  
  const formControl = textarea.parentElement;  
  const small = formControl.querySelector('small');  
  formControl.className = 'form-control error';  
  small.innerText = message;  
}  
  
function tsetSuccessFor(textarea) {  
  const formControl = textarea.parentElement;  
  formControl.className = 'form-control success';  
}
```

and added the following to the CSS file:

```
.form-control.success textarea {  
  border-color: #2ecc71;  
}  
  
.form-control.error textarea {  
  border-color: #e74c3c;  
}
```

We can now see it working as intended.

Comments:

A large empty text area with a red border. In the top right corner, there is a red circular icon containing a white exclamation mark, indicating an error or warning. The text area is currently empty.

fields in correctly showed the green outline then submitted the form before I could take a screenshot.

Filling all the

One last check with jshint:

```
There are 13 functions in this file.  
Function with the largest signature take 2 arguments,  
while the median is 1.  
Largest function has 63 statements in it, while the  
median is 2.  
The most complex function has a cyclomatic  
complexity value of 17 while the median is 1.
```

Integrate two chosen ways for the social media into the site, Debug/validate, document and test as you go keeping a record of what was done.

The two chosen implementations are the Twitter and LinkedIn share buttons.

Script code layout (Bottom Up design, must have Event Listeners – NO onclick in HTML, all JavaScript is separated to external file and js script tag must be at the bottom of the html before the end body tag)

There is no onclick javascript or jsx in the HTML files. The scripts are referenced at the end right before each body tag.

Test in at least two different browsers and show client for sign-off.

Microsoft Edge:

Email **i**

5#f **i** ×

You must enter a valid email address

5#f **i** ×

Email cannot be blank

Phone Number **i**

i

Phone cannot be blank

City **i**

i

City name cannot be blank

State **i** Select a State

Please select a state

Zip Code **i**

i

Please enter a zip code


Subject: **i** Request reason

Please select a reason

Comments: **i**

i


Google Chrome:


SHT Jobs 

"It's better to buy the rough and find the diamond than buy the diamond and find the rough."


[Jobs](#) [Data-sources](#) [Reports](#) [Contact](#) [About](#)

Please include an '@' in the email address. '34\$' is missing an '@'.

Phone Number 

City 

State

Zip Code 

Subject:

Comments:

references

Javascript Form Validation Tutorial <https://www.youtube.com/watch?v=wvcORaD1Mol>

<https://stackoverflow.com/questions/60819238/js-form-validator-before-submit-not-working>

https://www.w3schools.com/jsref/met_form_submit.asp

<https://stackoverflow.com/questions/26521331/event-listeners-to-form-label>

<https://stackoverflow.com/questions/6319799/regex-for-validating-postcode-and-phone-numberjs>

https://www.w3schools.com/Jsref/event_onmouseover.asp

<http://michaelsoriano.com/better-tooltips-with-plain-javascript-css/>

<https://accessibility.athena-ict.com/aria/examples/tooltip.shtml>

<https://stackoverflow.com/a/15703312/12822663>

Tooltip javascript position static forEach <https://codepen.io/j354374/pen/oNLaYXp>

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

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://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://philipprogers.com/svgpatterns/>), SVG Backgrounds (<https://www.svgbackgrounds.com/#flat-mountains>) and the cloud header was from loading.io. (<https://loading.io/background/m-clouds>)

original 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](#).