Criteria D: Product design

# Overall structure of the website

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# Structure of each webpage

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| **HOME PAGE** | **FOUNDER** | **LOCATION** |
| **ABOUT US** | **OTHER BUSINESSES** | **WEIGH BRIDGE** |
| **PHOTO ALBUM** | **ALBUM** | **CONTACT** |

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| **THANK YOU PAGE FOR CONTACT FORM** | **GALLERY** | **OFFICE HOURS** |

# List of resources and techniques

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| **RESOURCES** | **DETAILS** | **OBTAINED FROM** |
| Flickity | For a responsive slideshow (Carousel) | <https://flickity.metafizzy.co/> |
| Wow.js | For animations of objects within the website during scroll | <https://wowjs.uk/> |
| Link hover effects | For creative link effects when hovered on it | <https://tympanus.net/codrops/2013/08/06/creative-link-effects/> |
| Multislider | For creating an automatic sliding of multiple images and these images act as albums for other images | <https://www.multislider.info/> |
| Auto-prefixer | This is a PostCSS plugin which parses the CSS and adds vendor prefixes | <https://autoprefixer.github.io/> |
| HTML formatter | For formatting ugly HTML code, making it readable and pretty, with proper indentation. Helps in identification of particular coding with ease in future developments of the website. | <https://htmlformatter.com/> |
| CSS cleaner | For tidying up CSS to make it readable and organized. Helps in identification of particular coding with ease in future developments of the website. | <https://html-cleaner.com/css/> |
| W3schools | For learning basic and advanced CSS and Html coding for navigation bar, overlay text, gradient colour, animations, transitions and many more. | <https://www.w3schools.com/> |
| Google fonts | For downloading a wide variety of fonts for using in the website for free of cost. | [https://fonts.Google.com/](https://fonts.google.com/) |
| Vector icons in .svg and .png format | For downloading icons and using them in navigation bar and other places as well. | <https://www.flaticon.com/> |
| Progress bar | For the progress bar in the landing page. | <https://codepen.io/evawythien/pen/jegRxN> |
| Animated ribbon tile holder | For a title of a webpage in a ribbon holder which is animated. | <https://codepen.io/joshbader/pen/ukFLi> |
| Linking between Google forms, custom form and thank you page (response). | For linking the input fields of both the forms. | [https://morningstudio.com.au/blog/2013/06/how-to-style-Google-forms/](https://morningstudio.com.au/blog/2013/06/how-to-style-google-forms/)  [https://medium.com/@weldebob/Google-forms-is-brilliant-7b04765f1b8c](https://medium.com/@weldebob/google-forms-is-brilliant-7b04765f1b8c)  [https://codepen.io/learningcode/post/customize-a-Google-form-for-your-website](https://codepen.io/learningcode/post/customize-a-google-form-for-your-website)  [https://www.developerdrive.com/add-Google-forms-static-site/](https://www.developerdrive.com/add-google-forms-static-site/) |

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| **TECHNIQUES** | **DETAILS** |
| Use of Cascading style sheets | Consistent layout and design of the web pages are done using these sheets. Moreover, all the critical styling of the content is done with these sheets using specific codes. |
| Favicon | Icon displayed next to the page's title on the **tab**. |
| Custom logo | A logo according to clients preferences was created. |
| Menu hover effects and dropdowns | Certain options in navigation menu have dropdowns whose links have transition effects. The footer also has these effects. |
| Landing page with animation | A landing page which has animation for certain elements |
| Responsive slideshow (Carousel) | Automatic slideshow which is drag gable using the mouse. Manual controls of the slideshow are also available. |
| Animation of the ribbon | In the staff page, an animated ribbon title holder with gradient color. |
| Google maps embedded | The Google map of the company location is embedded. |
| Video in the website | Video was edited and subtitles were added using a video editing software. This video is then embedded in one of the web pages. |
| Contact form | A Google form was connected to a custom made contact form on the website. So when details are entered in the input field of the contact form (website), the details of the respective fields are saved in a Google sheet of the company username. |
| Album slider with overlay text | Multiple images slide automatically horizontally. These images act as albums. When clicked on a certain image, the gallery of that particular category opens up. When hovered on the album slider, the images zooms in. The album slider images has an overlay text which appears on hover. |

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| **Test item** | **Test data** | **Part of system tested** | **Expected outcome** | **Actual outcome** | **Comments** | **Ref in product** |
| **Cover page testing – REQUIRED ELEMENT FOR CRITERION G** | | | | | | |
| Web pages load  from the cover page in three different locations | File naming to ensure homepage is called Index.htm | Links on cover page  are relative | Loads as required from  3 different locations | Yes |  |  |
| **Product testing** | | | | | | |
| Hyperlinks between  pages function | Links between pages | Hyperlinks | Links function as  planned | Yes |  |  |
| CSS file | Web pages | Link to style sheet in  page headers | All the pages have styles | Yes |  |  |
| CSS file | .css file | Content of .css file | All components of file  appear on web pages | Yes |  |  |
| Animations of objects | .css file | Content of .css file | All animations of objects work | Yes |  |  |
| Contact form | .css file  JavaScript | Content of .css file  Content of JavaScript within website  Validation of certain fields | All components of CSS file  appears on webpage.  The contact form is connected to Google forms and ‘thank you.html’ page automatically appears when form details are sent. (done using JavaScript) | Yes |  |  |

# Agreement of client

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| I confirm that the requirement  specification meets my needs and  the designs above are appropriate  for the creation of the product. |  |