**Assignment Brief CA3: Portfolio Website**

**DMEDH1018 Web Development 2 (2019)**

**Lecturer: Helen Williams**

|  |  |
| --- | --- |
| **Your name:** | Aaron Comiskey |
| **Student no:** | B00117757 |

**Introduction**

As a designer, it’s a good idea to have a portfolio. Portfolios can be useful in gaining employment, sharing your work with others or even as a tool that allows you to reflect on your own achievements.

You are now required to build a portfolio site using HTML, CSS and any media you deem necessary. The portfolio must meet a number of content and technical requirements, which are listed below.

Before you submit, check that you have completed each requirement listed below, and check the checkbox beside it to confirm. Save this document as **FirstnameLastname\_CA3Checklist.docx**, and submit it with your website.

Your portfolio website will be based on the document you created for CA2: Website Planning Document, which details all of your text and media content, and specifies your structure and navigation, and the layout and design of each page. Now it's time to start coding!

**Content requirements**

As a minimum, your site must contain the following six pages (you can rename these pages to something more relevant to your content if they don't suit):

|  |  |
| --- | --- |
|  | **Completed?** |
| **Home page**: The portfolio should contain a home page with links to other sections of the portfolio. |  |
| **About me page**: This should contain a short bio and a profile image. |  |
| **Photography work**: Display a collection of at least 10 – 15 photographs from your photography modules. |  |
| **Design work**: Display some samples of work from your design related modules. |  |
| **Media work**: Display some samples of your work from your media related modules. |  |
| **Contact page**: Include a CTA (call to action) and a contact form |  |

You will also need to include a drop-down menu (see navigation requirements below), so you may consider adding other pages for this to link to.

**Technical Requirements**

Your site must reflect the various concepts we've covered this semester. Below are a list of requirements. Remember to check each one off and submit this document with your website.

**HTML and CSS**

|  |  |
| --- | --- |
|  | **Completed?** |
| Your site must be built using HTML, from scratch (i.e. not using templates). |  |
| Your home page must be named index.html (no variations!). |  |
| You should use one external CSS stylesheet (style.css). |  |
| Link the stylesheet to your HTML document using the <link> method. |  |
| Do not include an internal stylesheet. |  |
| Do not use inline styling unless there is a very good reason to do so. |  |

**Page layout**

|  |  |
| --- | --- |
|  | **Completed?** |
| At least one page should use a CSS grid layout (you can use grids for as many pages as you wish). See below for specific requirements on CSS Grid. |  |
| One page should include a div with a 2-column or 3-column layout. This page should be fluid (use % for sizing). |  |
| Your Contact page (containing the form) should be fixed width, in a container div that is less than the width of the page, and centred on the page. (Don't worry if this doesn't look great as a fixed layout; this is simply for the purpose of this assignment. You can change it later!) |  |
| Your site should include a header and a footer on each page. |  |
| Your footer should be in a fixed position at the bottom of the page. |  |
| Your site should include at least one other correctly-used semantic element (see Lecture 2/[Semantic Page Layouts](https://moodle.itb.ie/mod/resource/view.php?id=120695) for examples). |  |

**CSS code**

|  |  |
| --- | --- |
|  | **Completed?** |
| Include at least one example of each of the following: |  |
| ID selector |  |
| Class selector |  |
| Type selector |  |
| (Optional: consider including a global selector) |  |
| DIVs |  |
| Relative or absolute positioning |  |
| Float and clear float |  |
| z-index |  |
| A CSS rounded image |  |
| A gradient background (can be applied to a page or an element) |  |
| A font family |  |
| Show evidence of using the properties of the Box Model on all pages – borders, margins, padding etc. |  |

**Navigation**

|  |  |
| --- | --- |
|  | **Completed?** |
| Your site should include a nav bar on each page with buttons (buttons can be any style you wish). |  |
| You may use a horizontal or vertical nav bar for your site. |  |
| Buttons should change state when the user moves their mouse over the button. |  |
| There must be at least one drop-down submenu, linking to other pages in your site (or different sections within one page). (If you use a vertical nav bar, the 'drop-down' will be a 'slide-out' submenu.) |  |

**CSS Grid**

|  |  |
| --- | --- |
|  | **Completed?** |
| Include at least one example of each of the following: |  |
| A minimum of three rows and three columns defined in an explicit grid |  |
| Reference to line numbers or names |  |
| One or more column widths defined in fractional units (fr) so the grid is responsive when the browser is resized |  |
| Grid-area and/or span |  |
| Grid-gap (or grid-column-gap /grid-row-gap) |  |
| The following are CSS Grid features that you should consider using (they are not compulsory but you'll get extra credit for any you include): |  |
| Justify-content, align-content, and/or place-content |  |
| Justify-self, align-self, and/or place-self |  |
| Repeat |  |
| Minmax |  |
| Auto-fill and/or auto-fit |  |

**Form**

|  |  |
| --- | --- |
|  | **Completed?** |
| Include a contact form with details of how to get in touch with you. |  |
| The form should be fixed width and centred on the page. |  |
| The form should have appropriate action and method attributes (use GET) |  |
| Style it in CSS to match your site's style and colour scheme. |  |
| Include at least one example of each of the following: |  |
| Fieldset and legend, styled in CSS |  |
| Input fields for name, address, email and telephone |  |
| Textarea field for message |  |
| Drop-down list of options |  |
| Radio buttons |  |
| Checkboxes |  |
| All fields should have appropriate labels and attributes |  |

**IMPORTANT**: The above are the minimum set of requirements for the portfolio site. Students should aim to wow the visitor with their grasp of layout and CSS. Be creative in how your site is presented.

**Development requirements**

* Please try to keep your site (including media) to less than 200mb!!
  + Compress and optimise images (<https://tinyjpg.com/> and <https://tinypng.com/> are great for this)
  + You can use Flickr for photos
  + You can use YouTube or Vimeo links for videos
* Please validate your code, and include screenshots of your validated pages:
  + Validate HTML via the W3C Validation service at <https://validator.w3.org/>
  + Validate CSS via <https://jigsaw.w3.org/css-validator/>
* You will be asked to upload your completed site to GitHub. Note: This will be covered in our labs.
* Please test your GitHub site using Google Resizer. This can be accessed via <http://design.google.com/resizer>
* DO NOT SUBMIT THE WORK OF OTHERS. Please list any CSS, HTML or images which are not your own work. If in doubt, ask in the lab sessions.

**Indicative marking Scheme**

Please check the assignment link for the latest marking scheme.

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Description** | **Marks** |
| Required pages and site structure | Minimum of six pages (Home, About me, Photography work, Design Work, Media Work, and Contact) plus any others, organized logically and with required content on each page | 10 |
| Semantic elements | Site includes a header and a footer (footer in a fixed position) on each page, plus at least one other semantic element | 5 |
| Navigation | Site includes a nav bar with buttons which change state when a rollover occurs, and at least one drop-down submenu. All links in site work. | 10 |
| CSS Grid | At least one example of CSS grid included, with appropriate properties as listed in the spec above | 15 |
| Contact page and form, fluid page | Fixed layout Contact page, including form with required fields, styled and positioned as per spec. One page fluid layout. | 10 |
| CSS: Technical excellence and creativity | All required CSS code included as specified. Technical use of CSS, appropriateness of rules, approach, complexity. | 20 |
| Appearance | Professional and appealing style, layout, images, text, colours, and overall aesthetic (strongly linked to CSS). | 15 |
| Clean code | Good code indenting and commenting in both HTML and CSS | 5 |
| Testing | Test your GitHub site using google resizer & validate your HTML and CSS code via the W3C Validation services. Add screenshots of validated pages | 5 |
| GITHUB Hosting | Site hosted on GITHUB / ability to access and test | 5 |
|  | | **100** |

**NOTES:** Marks throughout are based on HTML, CSS and design effort (content, layout etc). Credit is given for good effort, even if the result is not what you hoped.

**Deliverables**

1. **This checklist, completed**. Please go through this document and check the checkbox beside each element you have included in your website. Save the document as a Word Document or PDF.

The naming format should be FirstnameLastname\_CA3\_Checklist.pdf

e.g. FredBloggs\_CA3\_Checklist.pdf

1. **Folder containing your complete website**. Please add all HTML, CSS, files, folders etc into a single folder, and compress it as a .zip file (no other compression formats will be accepted).

The naming format should be FirstnameLastname\_CA3\_Website.zip

e.g. FredBloggs\_CA3\_Website.zip

1. **Evidence of Validation and Testing**. Please create a single document which shows screenshots from your HTML and CSS validation tests, and your tests using google resizer. Please export as a Word document or a PDF.

The naming format should be FirstnameLastname\_CA3\_Testing.pdf

e.g. FredBloggs\_CA3\_Testing.pdf

1. **GitHub Hosting**. Please create a simple document which contains the URL to test your site via GitHub (note: these must be the same files as those you submit to moodle). Also include screenshots of the GitHub repo. Please export as Word document or a PDF.

The naming format should be FirstnameLastname\_CA3\_Github.pdf

e.g. FredBloggs\_CA3\_Github.pdf

Upload your deliverables to the appropriate folders on Moodle by the deadline, **26 April 2019**.

**Academic Honesty & Declarations**

In submitting this assignment you will be asked to agree with the following statement

*“I am aware of the Institute policy on plagiarism in assignments and examinations. (3AS08)*

*I understand that plagiarism, collusion, and copying are grave and serious offences in the Institute and I will accept the penalties that could be imposed if I engage in any such activity. This assignment, or any part of it, has not been previously submitted by me or any other person for assessment on this or any other course of study.*

*I declare that this material, which I now submit for assessment, is entirely my own work and has not been taken from the work of others, save and to the extent that such work has been cited and acknowledged within the text of my work.”*