Hi Napta,

Thank you for all of your hard work so far. I hope you are enjoying the course.

The assessment of your HTML & CSS project has just been completed.

The links you submitted were:

* https://github.com/napta894/napta894.github.io
* https://napta894.github.io/

The breakdown of your marks for each assessment criterion (graded from 0 to 5) are as follows:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Usability and Real-world application** |  | **Layout and Visual Impact** |  | **Code Quality** |  | **Software Development practices** |  |
| **Criterion** | **Score** | **Criterion** | **Score** | **Criterion** | **Score** | **Criterion** | **Score** |
| Project Purpose | 5 | Responsive Design | 3 | Appropriate use of HTML | 3 | Directory Structure and File Naming | 5 |
| UX design | 4 | Image Presentation | 4 | Appropriate use of CSS | 3 | Version Control | 3 |
| **Usability and Real-world application** |  | **Layout and Visual Impact** |  | **Code Quality** |  | **Software Development practices** |  |
| **Criterion** | **Score** | **Criterion** | **Score** | **Criterion** | **Score** | **Criterion** | **Score** |
| Suitability for purpose | 3 | Colour scheme and typography | 4 |  |  | Readme file | 4 |
| Navigation | 4 |  |  |  |  | Comments | 5 |
| Ease of Use | 5 |  |  |  |  | Deployment implementation | 5 |
| Information Architecture | 4 |  |  |  |  | Deployment write-up | 1 |

Additional textual feedback from your mentor assessor:

* **Usability and Real-world application:** The project’s purpose is well defined in the documentation with a good explanation of the benefits of the project to its users. UX is defined in the documentation using designs for both desktop and mobile resolutions. The website design as implemented provides a satisfactory solution to user problems. Navigation links are easy to find and mostly work well. The logo would normally be a link to the site’s home page, which would essentially replace and remove the need for the additional ‘Home’ link in the navbar. Most Links that direct the user away from the site are opened in new tabs, which enables the user to navigate back to the original site without using the browser’s back/forward buttons. The Email icon in the footer should load the email window in a new page to prevent the user, rather than in the same window, to allow the user to easily navigate back to the site after sending the email. The Behance link in the footer also appears to be broken, as the resulting page is not found. The website is easy to use with information organised in an easily readable fashion. Defensive design is implemented as well as possible, given the current limitations with JavaScript knowledge, with ‘required’ form field HTML validation to prevent users submitting blank contact forms. ‘Lorem ipsum’ text is present in the Portfolio page – a live site should never have lorem ipsum text as placeholder text. If the section isn’t ready, the text should be replaced with more informative text, such as ‘Coming soon’, etc. Submitting the contact form results in a PHP file being downloaded to the user’s device. Submitting a form should never result in this happening. In this instance, as the form doesn’t post the data to an API, it would be best to not have an action or method attribute on the form.
* **Layout and Visual Impact:** Visually the website has a good design with a good colour scheme. The typography is in line with the theme of the site. It is mostly responsive as tested on various screen resolutions in Google Chrome’s Developer Tools, and on a physical Samsung Galaxy S21 device. The navbar, ‘See more’ buttons are slightly off-centre. There is inconsistent spacing between sections, and between the content in sections – spacing and appearance should be consistent throughout the site. The section/page title styling and font size/weight is also inconsistent. In the About page, the image is not in proportion with the text on the left-hand side of the screen as the screen size is decreased with the image still visible.
* **Code Quality:** There were a few errors when run through the HTML and CSS validator tools. The errors are outlined as follows:

**HTML:**

* ‘lang’ attribute on <html> tag has incorrect ‘eng’ value – the abbreviation for English is ‘en’
* No opening <body> tag in all templates except index.html
* <a> tags are nested directly within the <ul> tag in the navbar – they should be nested in separate <li> tags within the unordered list HTML snippet
* download attribute not allowed on <button> tag – should use <a> tag instead
* color attribute not allowed on <button> element
* ‘enchtype’ attribute is not allowed on the <form> tag – should be ‘enctype’
* name attribute is declared twice in the same <textarea> tag in contact form
* cols attribute in the <textarea> tag has value of 0 – should be a positive integer
* label tags for Project and Message fields have ‘for’ attribute, but the corresponding input/textarea elements don’t have id – a label tag should have a corresponding input element with an ‘id’ value identical to the label’s ‘for’ attribute value

**CSS:**

* Line 316 – border-spacing has a value of ‘px’ with no number specified for px value
* Line 573 – column-rule has a value of 2, but no unit (px, %, em, rem, etc.) is specified. Units must be specified unless value is 0
* Lines 588, 595 & 602 – flex-grow has value of ‘1 1 auto’. flex-grow can only have one number; the shorthand value used is only allowed on the ‘flex’ property
* Lines 646, 846 & 1020 – background-color has value of ‘none’ which is not allowed. Should be set to ‘transparent’ or ‘unset’ if background-color is not needed
* Line 1143 – font-size has value of 1.7, but no unit (px, %, em, rem, etc.) is specified. Units must be specified unless value is 0
* Line 1306 – height has value of 310, but no unit (px, %, em, rem, etc.) is specified. Units must be specified unless value is 0
* Line 1310 – padding-top has value of ‘auto’, which is an invalid value
* Line 1476 – position has value of var(--z-fixed), which has value of 100 – invalid value for the position property
* Line 1509 – grid-column has value of 2fr – invalid. If using fr as a unit, the grid-template-columns property should be used instead

In addition to the above comments, inline styles are used in some HTML tags. All styles should be declared in the external stylesheet unless they are absolutely needed as inline styles. This allows for better reusability of styles across templates, as updating the styles for shared elements will only need to be done in one location if needed, rather than on each individual HTML element in the relevant templates. HTML code is mostly indented well, but it still needs tidying up in some places in the HTML templates. Semantic HTML is used well, which results in the code being well structured and mostly easy to read. <img> tags have alt attributes, which enhances accessibility. CSS selector names follow standard naming conventions, and the author has demonstrated good class reusability across multiple templates. Media queries are used well to help with responsive design. Media queries are used well for responsive design. Duplicate media query blocks are used for various breakpoints, in particular the 480px and 768px breakpoints. All styles should be declared in one media query block for the relevant breakpoint(s).

* **Software Development practices:** The code is well commented.The project files are named clearly and follow standard naming conventions. The directory structure is good and follows standard conventions. Version control has been used, but not in the conventional sense. Based on the deployment write-up in the README.md file, it appears that changes/updates have been made directly in the GitHub repository, which is not how version control should or is intended to be used. Changes should never be made directly in GitHub. The GitHub repo should be linked with the local repo after initially creating the project. Any changes should then be added and committed locally, and then pushed to the GitHub repository. A lot of commit messages are non-meaningful. Examples of this include commit messages such as ‘*Update styles.css*’, along with one-word commit messages. Commit messages should be short, but meaningful and descriptive (<https://reflectoring.io/meaningful-commit-messages/>). The README file has a good level of detail and includes information about each section of the site. The deployment write-up includes instructions on how the author has uploaded their project and changes to the GitHub repo, but it is missing instructions on how to deploy the project to the production environment (GitHub Pages) and how other developers may clone and run the author’s project themselves, locally.
* **Overall feedback:** Overall, the project is of a satisfactory quality, and it works well for the most part. The author has clearly demonstrated a decent understanding of how to use HTML and CSS to create a website, with good consideration of UX and ease of use. It is clear to see that the website has been tested well tested, with there being minimal bugs with the frontend site. The main areas of focus, going forward, are the appropriate use of version control, more attention to finer detail in the frontend site and the use of valid HTML and CSS code (running code through the HTML and CSS validator tools and taking note of/resolving any highlighted errors).

I hope the feedback makes sense, but I am more than happy to talk through the above.

Best regards

Sunny Hebbar

Mentor