**DMIT1530: Assignment 1**

**2020/2021**

Introduction

Assignment one is a three page, responsive layout. The student will create the site using best practice techniques for web and a typical framework with a reset of their choice.

Each page will have three different layouts.

1. Smallest Screen Size starting at 320px
2. Medium Screen Size starting at 800px
3. Large Screen Size starting at 1300px

Font sizing will be coded with relative units and render to the following px values on the screen:

* Paragraphs = 18px
* Heading h1 = 44px
* Heading h2 = 35px
* Heading h3 = 28px
* Heading h4 = 22px

Each page will have fluid, edge-to-edge content for both the small and medium screen sizes. These screen sizes will have spacing of 16px on the left and right sides. Starting at 1300px the content will then become contained in a fixed-width, centered container. There will be no left and right spacing within the fixed-width container. Background images and background colors will fill 100% screen width.

The home page has three columns of text that will become three equal width columns along one row for screens wider than 800px. The next row will have an image that takes up 1/3 of the space and a column of text that will take 2/3 of the space. These columns will have 2% spacing between them.

The gallery page has four rows of content that will stack on the smallest screen and then adjust on the medium screen to match the provided screenshots. There is 2% of spacing between the items within the rows.

The blog page has five blog posts that have stacking content on the smallest screen. The content in the blog post adjusts on medium screens to match the provided screenshots. On the medium screen the order of the content will need to switch for the even numbered blog posts.

Students will attempt efficient CSS by using advanced CSS selectors and will resize and compress all images.

Download the accompanying assignment files to start.

Submission

Both submission requirements must be met for marking.

1. Push the assignment files to the GitHub Classroom assignment before the due date.
2. Zip (.zip) your project folder and upload it to Moodle before the due date.

**LATE ASSIGNMENTS WILL NOT BE ACCEPTED!**

Marking Guide

**Weight:**

This assignment is worth 15% of your final mark.

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| --- | --- | --- |
| Marking Guide for Assignment 1 | | |
| **Task** |  | **Value** |
| **Fluid Layout to Fixed Width Container** | For all three pages, the defined widths of the content and elements in the layout are in fluid measurements (% or vw). The content grows or shrinks along with the viewport.  On smaller and medium viewports the content stretches edge-to-edge, then for larger viewports the content becomes centered with an overall fixed width. | 5 |
| **Flexible Images** | All inline images are flexible and adjust with a changing screen size. Inline images cannot be larger than their parent container. | 1 |
| **Media Queries / CSS** | CSS is well organized with a top-down structure and follows a mobile-first development.  Advanced CSS selectors are used in appropriate ways to reduce bloated code.  Two media queries will be utilized to adjust the layout of the small screen to fit a medium (800px) and large (1300px) screen. | 3 |
| **Image Optimization** | All images have been resized and optimized to create small file sizes balanced with acceptable image quality.  All images are saved as the best file type for that image.  The 100%, full width, background image loads an image file that has been best optimized for that screen size (small, medium, and large). | 3 |
| **Relative Font Sizing** | All fonts are sized using relative units. | 1 |
| **3 Page Layout –Responsive & Styling** | All three pages of the site match the look and layout of the screenshots provided. The content widths and the overall layout adjusts to fit all viewports following the provided example.  Content is positioned by the flow of the document or by Flexbox techniques. Floats and/or absolute positioning is avoided. Content aligns vertically down the page where required.  The background image and colors fit across 100% of the screen width (they are not contained by a fixed-width container).  The content does not overflow the width of the screen size at any point.  All three pages link to each other in the navigation. | 5 |
| **Deductions** | Possible deductions could be not following best practice techniques, validation errors, not using proper formatting or semantic tags, inappropriate CSS selectors, or spelling mistakes. | -3 |
| **Total** |  | 18 |

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| --- | --- |
| 5 Marks Criteria | |
| Task was completed with the highest of proficiency adhering to best practices and followed subject matter guidelines all tasks were completed to a professional standard. | 5 |
| Task was completed with some minor mistakes. Well above average work, shows good understanding of the task and high degree of competence. | 4 |
| Satisfactory work. Some features missing or incorrectly implemented. Shows a moderate level of understanding in the task with room for improvement. | 3 |
| Below average work. Task was poorly completed. Shows understanding of the task and the requirements to implement but implementation was poorly executed. | 2 |
| Some of the task was completed. Showed a lack of understanding in the subject matter and very poorly executed. | 1 |
| Not completed. | 0 |

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| --- | --- |
| 3 Mark Criteria | |
| Proficient. Shows a high degree of competence in completing task. | 3 |
| Capable. Above average degree of competence in completing task. | 2 |
| Below average. Shows a satisfactory degree of competence in completing task. | 1 |
| Task was not completed. | 0 |

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| 1 Mark Criteria | |
| Task completed satisfactorily. | 1 |
| Task was not complete. | 0 |

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| --- | --- |
| -3 Mark Criteria | |
| Proficient. Shows a high degree of competence in completing task. | 0 |
| Capable. Above average degree of competence in completing task. | -1 |
| Below average. Shows a satisfactory degree of competence in completing task. | -2 |
| Task was not completed. | -3 |