**DMIT1530: Assignment 3**

**2020/2021**

Introduction

Assignment 3 is a two-page, fully responsive build with a sticky header, horizontal scrolling content, a parallax scroll background, and semantic forms.

All SVG images are provided in the assets folder. The student is required to obtain the other images, color values, fonts, and measurements from the PSD. The completed site must demonstrate well-formed and structured HTML markup while writing clear and efficient CSS. The layout and styles will best match the PSD and adjust to different screen sizes using fluid and fixed layout techniques, and media queries. CSS properties used should have high global browser support (Edge, Firefox, Chrome, Safari, etc.) and the site will need to properly display on all screen widths starting at 320px wide.

Instructions

Following the steps of a build methodology:

1. Using your own choice of a CSS reset, and a standard framework folder, start by defining and marking up the content for the home page. Check the logic, and the hierarchy of the document structure in the HTML5 outliner tool. Other than nav elements, there should be no untitled sections. Create the HTML file for the second page, “How it Works”, and copy and paste both the header and footer content into the new page. Ensure that the pages can link to each other. Add the HTML markup for the second page.
2. Markup all form elements semantically and using the most appropriate input types and attributes. Form elements should be accessible with linked labels and inputs. Use attributes such as *disabled, autofocus, name, autocomplete, placeholder, required, minlength, and maxlength* logically and where necessary.
3. Once both pages have been semantically marked-up, outline checked, and validated for errors, the student will add the necessary CSS styling required to best match the look and layout of the PSD.

Things to note regarding styling:

1. The header element is a ‘sticky’ element. When scrolling the header element will always stay on the top of the page. The horizontal scroll area can be swiped to move on touch screens. Once there is enough space to fully display all of that content (no overflow), it will no longer scroll. The heading with a background image on the second page will have a parallax scroll effect.
2. The typography is consistence throughout both pages, therefore, there is an advantage to using global styling with the text elements. Optimize all images to the best file size.
3. Style the form and form elements to best match the PSD. Elements such as checkboxes, radio buttons, and select elements are styled by the browser and cannot be easily overwritten by CSS. The form has styling for both valid and invalid states.
4. Style the mobile (smallest) screens first. The content will need to fit a screen size starting at 320px wide. The content is fluid and will grow to fill the screen size as it increases. Two media queries will be required to adjust the layout on wider screens. At the larger screen width, the content will no longer be fluid (stretching edge to edge) and will instead be contained in a centered, fixed width container.

For any clarification or questions, please ask your instructor.

Submission

Push the assignment files to the GitHub Classroom assignment before the due date.

Github Classroom Link: https://classroom.github.com/a/BooYuMDQ

**LATE ASSIGNMENTS WILL NOT BE ACCEPTED!**

Marking Guide

**Weight:**

This assignment is worth 20% of your final mark.

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| --- | --- | --- |
| Marking Guide for Assignment 3 | | |
| **Task** |  | **Value** |
| **Form Markup** | The HTML form elements throughout both pages are semantically written. Proper input types are selected and labels and inputs are connected. Further HTML attributes are added to enhance the form and are placed on appropriate elements.  Form elements are accessible for screen readers and assisted tech. | 5 |
| **Form Styling** | All form elements are styled to best match the PSD. Extra styling is added to valid and invalid states to match the PSD. Submit buttons have hover states. | 3 |
| **CSS Scroll Effects** | The three required areas demonstrate three different scroll effects. The header element is sticky, the horizontal overflowing content scrolls left & right, and the heading with a background utilizes a parallax scroll technique. | 3 |
| **Layout & Styling Home Page** | The content on the home page (including the header and footer) matches the layout specified in the PSD for all three different widths demonstrated.  The content on the home page matches the fonts, font styling, colours, sizing, and the visual look of the PSD to a high level of detail.  *\*5 mark criteria used and multiplied by 2* | 10 |
| **Layout & Styling Second Page** | The content on the second page (excluding the header and footer) matches the layout specified in the PSD for all three different widths demonstrated.  The content on the second page matches the fonts, font styling, colours, sizing, and the visual look of the PSD to a high level of detail. | 3 |
| **Deductions** | Possible deductions could be not following best practice techniques, validation errors, unoptimized images, not using proper formatting or semantic tags, inappropriate CSS selectors, pages not linking, or spelling mistakes. | -3 |
| **Total** |  | 24 |

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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 |