DMIT1530 In-class #1

Flexbox Layout

2021 Winter Semester

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Due: End of Day

Weight: 5% of your final grade

Introduction

Download the files provided by your instructor. You are tasked with adding the HTML and CSS needed to create the provided layout (see screenshots).

**The Build Methodology**

1. Add the HTML elements required to create a layout matching the screenshots. Use semantic HTML 5 elements and check the document structure in the HTML 5 outliner tool. There should be no untitled sections and the heading structure should match the provided example below. **A picture containing bird, table

   Description automatically generated**
2. For the images, use placeholder images with a 500px by 400px dimension. Ie: <https://breeders.askfrankie.co/wp-content/uploads/2019/05/505_puppies-0064-400x500.jpg>
3. Give the first column two paragraphs of random text, and only one paragraph for the other two columns.
4. Add the necessary CSS starting with the styles needed for the smallest, mobile screen.
5. The font sizing should render as follows: (Size those fonts in relative units.)

* **h1 heading 40px**
* **h2 heading 30px**
* **h3 heading 24px**
* **body paragraph text 16px.**

1. Style the header element to roughly match the screenshots. Give the header a **bottom margin of 24px** but apply that amount using relative units.
2. Each column will have a **1px border and 1rem of padding**. On the smallest screen the columns will stack vertically, and they will need **1rem of margin** on the top and the bottom to separate them.
3. Inside the columns, the images will be placed on the left with the text on the right. Give the **images 40% of the available space** and add **1rem of margin on the right side** to move the text over. The text will take up the remaining room on the row.
4. When the screen is wide enough to fit three columns across horizontally, create a media query for that width and change the layout of the columns. Each **column will take up 32% of the space** on the row with **2% of spacing in-between them**.
5. Once the columns fit three across, the layout inside the columns will change too. The images will have to be responsive and they cannot be larger than the container element they are in.
6. Validate and repair any deficiencies (HTML and CSS).
7. Upload it to GitHub as a GitHub Page and submit your link to Moodle.

Marking Key: In Class Assessments

| **Marks** | **Five Marks Criteria** |
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| 5 | 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. |
| 4 | Task was completed well some minor mistakes. Well above average work shows good understanding of the task and high degree of competence |
| 3 | Satisfactory work some features missing or incorrectly implemented. Show a moderate level of understanding in the task with room for improvement. |
| 2 | Below average work. Task was poorly complete. Show understanding of the task and the requirements to implement but implementation was poorly executed. |
| 1 | Some of the task was completed. Showed a lack of understanding in the subject matter and very poorly executed |
| 0 | Not completed |