DBI Lab 008: HTML and CSS

COMP1048: Databases and Interfaces

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Exercise 1: HTML

Using HTML (only) to begin with, create an `About Me` webpage for yourself. You should include the following details in your page:

- **Key facts**: Name, Age, Date of Birth, Place of Birth, etc
  - In Table format
- **Short Biography**: Two paragraphs containing a brief biography
- **Image**: Include an image of yourself or something you like
- **Achievements**: Individual's Achievements
  - In List format (ordered or unordered)
- **Links**: Links to your top 5 favourite websites. Please keep your links to websites that are appropriate for work.
  - In List format (ordered or unordered)
- **Contact Me Form**: Containing a Name and Message field (minimum)
  - The `action` attribute of the form should be set to: `/message`
  - The `method` attribute of the form should be set to: `post`

You are free to add any other sections you wish, with the above being the minimum.

Exercise 2: CSS

Having complete Exercise 1:

1. Restructure your HTML code to include sensible `class` and `id` attributes.
2. Create a CSS file and link it to your HTML document.
3. Add styling to your HTML document using CSS. You should include stylings beyond what was introduced in the lecture. To do this, you will need to consult the **MDN CSS Reference**.

Frequently Asked Questions (FAQs)

Q: Can I use Bootstrap (or other CSS frameworks) to complete this lab?

A: There is no requirement to use Bootstrap (or other CSS frameworks) to complete this lab. However, if you wish to use Bootstrap, you are free to do so.

Q: Can I use JavaScript to complete this lab?

A: No, please do not use JavaScript to complete this lab. You are only required to use HTML and CSS. If your CSS framework requires JavaScript, you are free to use it.

Q: Can I use a WYSIWYG editor to complete this lab?

A: No, please do not use a WYSIWYG editor to complete this lab. You should write your HTML and CSS code by hand.

Q: Can I use a template to complete this lab?

A: No, please do not use a template to complete this lab.

Q: What should I submit for this lab?

A: Please follow the instructions in the Submission section below.

Q: How do I add style X to my webpage?

A: Please consult the MDN CSS Reference for information on how to add a particular style to your webpage. This is the purpose of the lab - to learn how to use CSS to style a webpage and to learn how to use the available reference materials and developer tools.

Q: How do I debug my webpage?

A: Make sure you are using a modern browser (e.g. Chrome, Firefox, Safari). You can use the developer tools to debug your webpage. Please consult the lecture slides for information on how to access the developer tools.

Submission

Please submit a ZIP file containing the final version of your webpage's assets (HTML, CSS and Images). Your zip should be named according to your student id e.g. `12345678.zip`. Do not use alternative compression formats such as `.rar` or `.7z`.

Your zip should contain the following directory structure:

```
<student-id>     # The root directory should be named after your student id
├── index.html   # Your HTML file must be named index.html
├── style.css    # Your CSS file must be named style.css
└── images       # Your images must be stored in a directory named 'images'
    ├── image1.png  # Your images may be in any format and named as you wish
    └── image2.png
```

There is no need to separate your submission into Exercise 1 and 2, just submit the final output of your work.

Submitting this assignment will <mark>contribute 3% to your overall Module grade.</mark> Your submission should demonstrate reasonable effort and fulfil the specified requirements set out in this lab sheet in order to receive the full marks.

There is no granularity to the marking, the marking is on a pass-or-fail basis. You should submit your zip file to the Lab 008 Submission Point on Moodle.

Submission Deadline - Monday, 28 November 2022 @ 15:00