Formative Assignment and Peer-Review:

Web page development – HTML, CSS and UI design

Hand-out date: 8 October 2021
Type: formative
Expected workload: 6 h
Components marked: code (HTML, CSS); peer-review

Marking: submitted; not submitted

Weight of participation mark: 60%

Peer-review process is described at the end of this document.

Submission instructions

Formative assignment submission	**5 November 2021**
Peer review submission	**19 November 2021**
Format	• **Learn Ultra** discussion board: link to gitpage (or zipped directory containing html and css files); peer-review as a discussion board post

Plagiarism, collusion	Students suspected of plagiarism, either of published work or work from unpublished sources, including the work of other students, or of collusion will be dealt with according to Computer Science and University guidelines - https://www.dur.ac.uk/learningandteaching.handbook/6/2/4/

1. Outline of requirements

For the formative assignment, you should design and develop a **web page** for **one** of the following domains:

- IT start-ups
- Climate change
- Fashion industry (e.g., sustainability, designer's web portfolio, online shop for clothing, fashion news, child labour, etc.)

I. Select one of the above **domains** and a **dataset** for your domain. Choose a public **dataset** (or create one) that fits your website's aim and target audience.
   - Find example datasets on:
     - https://github.com/awesomedata/awesome-public-datasets
     - https://msropendata.com/

- https://www.kaggle.com/
- https://registry.opendata.aws/
- https://toolbox.google.com/datasetsearch
- https://www.aminer.cn
- Or other sources you find on the web.

- To make it easier on yourself, choose a smaller dataset, or reduce the dataset size.
- Preferably, in JSON, but CSV is acceptable.
- Note: *For the formative, you will not use the dataset, it is just important that you start looking through options and tentatively select a domain and a dataset for it.*

II. Design and create your HTML pages and CSS stylesheets
- Your website must have a clear **purpose**/aim which is explained/highlighted on the main/home web page.
- The website should preferably be in a **single/one** page style.
- **Input interface** - user should be able to input information (e.g., search, input text, select from options, etc.).
- **Output interface** – include different content forms: text, images, video. Note – refer to your select dataset for which type of data is available, and what to present/write about on your web page.
- Apply user interface/experience **design guidelines**. Refer to: https://www.usability.gov/what-and-why/user-interface-design.html and https://www.interaction-design.org/literature/article/user-interface-design-guidelines-10-rules-of-thumb. Focus on:
  - *usability* – ease of use; consistency; intuitiveness
  - *responsiveness* - adjusting for different devices (e.g., laptop and smartphone) and window size browsing.

III. Apply **good programming practices**:
- Make your web page accessible by posting it on **github pages**.
- Start using tools that support software development, e.g. web **frameworks**.

2. Peer-review

10% of your overall coursework mark will be derived from your on-going participation and engagement in the module's activities and tasks, including: formative assignment, peer review, in-class tasks, group discussions. Participation components and their weights are:

Marking: Submitted (1); not submitted (0)

Components	Weight
Formative assignment	**35%**
Peer review	**25%**
Pre-/post-lecture tasks	40%
During-lecture interaction	*bonus*

Each formative assignment submission will be assigned **two** markers from among your peers.

Markers should:

a. Open, view and evaluate the web page in detail.
b. Assign a mark on the following 4-point scale:
    1. **Fail** (<40) – most of the basic requirements were not met.
    2. **Approaching expectations** (40-59) - basic requirements were mainly met, with some errors in web page content display.
    3. **Meeting expectations** (60-79) – all the basic requirements were met; the web page has no (or very minor) errors.
    4. **Exceeding expectations** (≥80) – the web page is fully functional; beyond the basic requirements, more complex and/or creative solutions were implemented.
c. Provide written feedback (a few sentences) on both of the following:
    - Strong points
    - Areas for improvement
d. Pay particular attention to and flag potential plagiarism or issues with referencing.

NOTE: When I check your peer review submissions, **partial peer-review** (e.g., lacking complete written feedback, or only providing a scale mark) will be treated as a **non-submission**.