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| UOn-Image.jpg | **CSY1018 Web Development** **Assignment 1 (DRAFT)**  **Semester 1 2018/19** |
| **Words:** | AS1- News Website  (design & implement)  (2,500 words or equivalent) |
| **Weighting:** | 50% |
| **Credit Value:** | 20 credits |
| **Learning Outcomes Assessed:** | a, b, c, d, e, h |
| **Submission date:** | **Sunday January 13th 2019, 23:59** |
| **Feedback and Grades due:** | 4th February 2018 |
| **Module Leader (term 1 only):** | Liz Coulter-Smith  (liz.coulter-smith@northampton.ac.uk) |
| **Electronic copy available:** | NILE |

### **If anything about this assignment is not clear to you, please contact the module leader:**

**On Slack**

**liz.coulter-smith@northampton.ac.uk**

**Professional Web Developer News Site  
Deliverable 1:**

This assignment is worth **50%** of your total mark for this module.

* The code must be yours alone and will be graded on originality.
* Each page should easily fill a standard 27” inch screen to the ‘fold’ for the desktop version.
* The site **must** be ‘responsive’, meaning there must be both a mobile and desktop version are a requirement. A third ‘tablet’ version will be awarded more points.
* A column based approach must be a feature of the site. Flexbox, Grid or a Column based layout is fine.
* You will work with a team to create the content to share between you. The five (5) pages of ‘content’ must include:

1. Landing page (index.html) - introduce the site’s purpose, include images of the team, brief bios and/or similar.
2. Review (written) or Podcast (audio)
3. Glossary - May include images, audio, video.
4. Comparison of two current web development/games development jobs.
5. A tutorial page demonstrating a web development techniques. These could be a selection from YouTube or created by your team.
   * 1. You may link to either YouTube or Vimeo. No video should be submitted in the assignment.

**Each page has a number of tasks that have to be completed to successfully pass the assignment.**

**These details will be circulated by week seven (7).**

**While you are waiting for each member to develop the content for their page, you may use ‘placeholder’ text and images**

**(to be discussed in class).**

* These tasks represent the fundamental or core competencies for introductory level web development, its implementation and skills related to building a ‘current’ user interface (UI) design.
* **NOTE:** Advanced students may wish to add additional functionality, but there is no marking advantage for this. You may **link** to external frameworks such as Bootstrap 4 or Foundation, or similar. However, everyone will be assessed on the **originality of their code.**
* However, a more advanced site will be a good demonstration of skill, therefore, making it more attractive to employers.
* **BEWARE**
  + Templates, website makers or any WYSIWYG editors are **NOT PERMITTED** and will result in an automatic **FAIL** grade.
  + **Table-based layout, the use of frames, and absolute positioning** will result in an automatic **FAIL** grade.

**Your technical ability and originality is assessed by the demonstration of the skills covered in class using HTML5 and CSS2/3.**

Many students ask if they can use JavaScript. Yes, you can, however, it will not be assessed since JavaScript is taught in Term 2. Again, no templates, themes or boilerplates are to be used and will result in a **FAIL** grade. Using them will make it impossible to assess your code and UI design originality.

You MUST, ‘comment’ your code extensively.

**WARNING:** If you use any bit of code which is not your own then you **MUST** ‘comment’ it both in the CSS and/or HTML or you could be considered to have committed **PLAGIARISM**.

Design of the ‘User Interface’ or UI is assessed based on ‘current’ design trends and their conventions as exhibited in **Google’s Material Design** approach. Be very careful not to work out of your head. Good designers look for good models and borrow from them! You will have resources and discussions in class about how you develop this ability and where to look for current sources.

**WARNING:** Again, **ALL** code is checked for originality against all of the students on the module, all students who have ever taken the module, and the ENTIRE WWW. However, you are encouraged to work with others in relation to your content and user interface (UI).

**The following are considered core aspects as well as any technical scripting skills:**

* **Accessibility/Usability:** You will need to show evidence of having successfully validated for Accessibility (Web Developer Tools/Chrome extension). Code on all pages must be validated.
* **Code Validation Testing:** All pages must show evidence of having successfully validated both your CSS and HTML (Web Developer Tools/Chrome extension). Look for the corresponding page below.
* **Navigation:** This should navigation that is consistent and in line with current design conventions.
* **Footer:** All files must have a footer. Normally social media links will also go here.

**index.html (landing page)**

* The first page is called your landing page. The page will be accessible using GitHub. Team members responsible for the content with images and section responsibilities.

**jobs.html**

* This page will contain a comparison of two web development jobs and any surprising information you find while comparing them. Organisation and structure is the key here.

**reviews.html**

* One or two reviews of ‘current’ web related resources.

**tutorials.html**

This page will include information and links to high quality tutorials. References must be added.

**glossary.html**

This page will include web development terms. You will need to provide a link to the sources used otherwise this is considered plagiarism.

**Deliverable Two: Site Report**

(word document) 500 words (this is two pages/10pt font).

**Written Reflection or Log including**

1. The report will contain approximately 500 words about your experience of learning the basics of web development, coding, design and debugging process.
2. It will include any sketches or preliminary wireframes as images.
3. Evidence in the form of ‘screenshots’ verifying that you have ‘validated’ your HTML and CSS files using either W3C validators must be included on this page.

**Specific handling-in criteria will follow in the coming weeks.**

**Upload limit is around 40mb! The average site size for this assignment is no more than 2mb.**

**Assessment Submission**

Read this assignment brief carefully and ask the module leader if you require clarification well in advance of the submission date. Submission is to **NILE only** via NILE and must be submitted by midnight on the **Sunday 13th January 2019 by 23:59**.

Feedback and grades will normally be returned to you electronically by the **3rd of February 2019**.

**Module Learning Outcomes (term 1)**

1. Appreciate how the Internet works.
2. Appreciate the relevance and underlying infrastructure of the World Wide Web.
3. Understand the code on which websites are built.
4. Design & Code User-Friendly Web pages.
5. Be able to associate a variety of file types within Web pages.

H. Information skills: Use appropriate sources and methods to research topics and techniques.

**Academic Practice**

This is an *individual* assignment. The University of Northampton policy will apply in all cases of copying, plagiarism or any other methods by which students have obtained (or attempted to obtain) an unfair advantage.

Support and guidance on assessments and academic integrity can be found from the following resources

**SkillsHub**:<http://skillshub.northampton.ac.uk>

**CfAP**:<http://tinyurl.com/UoNCfAP>