

IS51018B: Web Development (2017-18)

Large Coursework Brief

Your brief is to **design and build a responsive website that communicates a story about yourself**. This may take the form of a **portfolio that showcases your achievements**, including elements such as your CV, a portfolio of any interesting projects you have done, and a chance to record any personal and professional development. The scope could include areas of achievement or responsibility that you have had outside your academic or professional life, including, for example clubs or societies or charity work that you have had a significant role in.

On the other hand, the site may be more of a **narrative of significant chapters in your life**. This might make more use of techniques such as photo galleries than might be found in the portfolio.

The web site might be structured in a **tree type structure** with a main page and a collection of other pages with a clear navigation mechanism. (eg [Alton Towers](#)). Alternatively the site might be a collection of pages where the links are embedded within the content forming something that might be described as a **network of ideas or knowledge**. (eg [Century of the Child](#)). The narrative may however be presented as a more **continuous story** with clear section navigation (eg [Grenfell, the 21st Floor](#)). We would be looking for around 5 “chapters” structured in a way that best presents the story that is being told.

In addition to the web site, you will include a **report.html** file in your site's base directory. This will explain what you have learned in the process of building your site, where you found your information, and how you have adapted any resources (if applicable). The outline template for the report can be found at the end of this document. You are free to apply CSS to your report page, but it won't gain you extra credit.

Basic requirements

- Your site directory will be **well organised** and files given suitable names
- Your site should **validate** to **HTML5** web standards
- Your CSS should meet **CSS3** standards and degrade gracefully on older browsers
- CSS should be in separate stylesheets (not embedded in HTML)
- Your site should be **responsive**. You can use a framework such as Bootstrap to help you to achieve this, but it you should also include responsive code that is your own work
- Your site should be **easy to use** and navigate
- Your site should be **aesthetically appealing** with suitable fonts and colour scheme
- Your site should be **accessible**, with semantically correct HTML
- Your site should make use of **unobtrusive JS** where appropriate
- Your JS will be in script tags or separate files (no inline JS)

Advanced features

- **Advanced CSS** (i.e. animations and/or transitions, comprehensive @media queries)
- **Custom JS** (i.e. code you've written yourself)
- **Breadcrumbs**

- **Dynamic content/JS templates**

Report: Large Coursework
YOUR NAME

Introduction: What is the essential story being told by your site and what type of structure did you choose to implement.

State 3 things that have inspired you when creating your website. These could include guest speakers, other websites, artists, developers etc.

State 3 ways in which your site is accessible.

State 3 ways in which you have considered usability in your site.

State 3 things you had to learn/find out by yourself when creating your site, and describe how you did that (i.e. what searches you did, any new tools/techniques you learned, any changes/adaptations you made to a particular resource to make it work with your site).

What aspect(s) of your work do you think worked well and why?

What aspect(s) of your work could be improved, and how might you do things differently another time?

What resources were used when creating your work? You should list here any sources of information, libraries, plug-ins or other code that you used to create your site. You should also reference any code you've used by inserting comments at the start of the scripts.

Appendices: Wireframes and Screenshots

Format for citing code:

[1] Author Initial, Author Surname, 'Title of program/source code' (), Year Published. [Type]. Web address or publisher.

Example:

[1] P. Korponaić, 'Meteor Kitchen examples' (commit 0abcf1c), 2016. [Source code]. <https://github.com/perak/kitchen-examples/tree/master/example-minimal>

Format for citing online resource:

[1] Author Initial, Author Surname, 'Title', Year Published. [Online]. Available: <http://Website URL>. [Accessed: 10- Oct- 2013].

Example:

[1] Handlebarsjs.com, 'Handlebars Reference', 2016. [Online]. Available: <http://handlebarsjs.com/reference.html>. [Accessed: 20- Sep- 2016].

Taking things from the web

You can use almost anything you like that you can find on the Web, but you should avoid anything that is not open (e.g. that costs money or requires login or registration), or anything from sites belonging to commercial companies. Being able to re-use other people's ideas is an important web skill. However, it is essential that, on your report page, you describe what you have taken, where you took it from, and what you have done to it. If you copy-and-paste something almost without change, you must say that you have done it, it must conform to the standards, and you shouldn't expect many marks for it, except for how you have made it fit in with and enhance your own design. To get more marks you can use code from elsewhere, document the source of the code in your report.html and then **edit it in some way**. Showing you can adapt existing code will earn you more marks. In order to be clear which material you have written and which you have used from elsewhere you will be

expected to provide comprehensive comments within your HTML, CSS and Javascript files indicating code you have used, code you have adopted and edited and code that you have written.

Submission requirements

Submission deadline is Monday 8th January 17:00 PM. Make sure you allow plenty of time in case you have any problems submitting (i.e don't try to submit an hour before the deadline!)

You will submit your site files via learn.gold AND your site should also be accessible on IGOR. Failure to adhere to the following submission requirements may result in marks being deducted.

- Your website should be in your webdev directory on IGOR.
- Your main page should be index.html and the report page should be a page called report.html. Do not use uppercase or spaces in your file names.
- Put a link in your report to your live version on IGOR.
- Add other pages and link to them as you wish.
- Links on the web pages should be relative, so that they work within the submission directory.

(If you don't know what any of these points mean, then ensure that you ask on the forum.)

On learn.gold you should submit web pages and style sheets (plus images, JavaScript files and the like). The web pages should have a .html extension and the stylesheets should have a .css extension. You can submit further linked pages and stylesheets as you like. You should use zip file submission to submit several all files together. Please note: failure to optimise images for web may result in your zip exceeding the maximum file size permitted. Make sure you allow plenty of time to test your submission!

Marks

Marks will be out of 100. This piece of coursework is worth 60% of the course overall.

The marking scheme will be:

HTML

- up to 5 marks for a 5 page web site structured with a tree structure or a web of knowledge, or 3 pages for a continuous story presentation
- up to 5 marks for validated well-formed HTML Code
- up to 5 marks for working URLs for the site hosted on IGOR
- up to 5 marks for comprehensive comments throughout your HTML code
- up to 5 marks for the creative use of HTML elements to provide an appropriate structure for the web content

CSS

- up to 10 marks for an aesthetically appealing presentation and an appropriately contemporary design
- up to 5 marks for appropriate layout, including consistent columns within the pages and the site
- up to 5 marks for responsive behaviour
- up to 5 marks for comprehensive comments throughout your CSS code

JavaScript

- up to 5 marks for basic calling of JavaScript to interact with HTML elements in the pages

- up to 5 marks for essential use of JavaScript, for example the construction of a photo gallery or carousel
- up to 10 marks for advanced use of JavaScript, including use of JavaScript libraries.
- up to 5 marks for comprehensive comments throughout your JavaScript code

Design and Reflection

- up to 5 marks for comprehensive and representative wireframes reflecting the responsive design of the site
- up to 5 marks for screenshots taken at various stages to show the development of the site, at least showing the site with the core html before styling, full html and associated styling, and showing the impact of JavaScript on the site.
- up to 5 marks for code and design that address the accessibility of the site for users with different abilities, including an explanation in the report
- up to 5 marks for reflection in the report on the experience of creating the web site, including sources of inspiration for the design or implementation and elements that might be implemented in a different way in the future.

Marks take into account the difficulty of what you have attempted, the amount of time and effort you appear to have put in, the breadth and variety of things you have tackled, the technical accuracy of your work, and the originality of what you are attempting.

Grading

- **70 or above** : Work which demonstrates considerable effort, meeting all the above requirements, and in addition, demonstrating understanding beyond topics covered in class.
- **60-70** : Work which demonstrates considerable effort, meeting all the above requirements, encompassing topics covered in class.
- **50-60** : Work which demonstrates some effort, and meeting most of the above requirements.
- **40-50** : Work which does not demonstrate great effort, and meets only a few of the above requirements. Work which is borderline in terms of suitability.
- **Below 40** : FAIL - Work which has not been adequately attempted, demonstrates little effort and insufficient understanding.

Avoiding plagiarism

It is highly important that you avoid plagiarism both in this coursework and all academic work. You are allowed to use code from elsewhere but you **must** attribute the source of this code in your report. Attribution means to provide a link directly to the page where you found this code (not to a top level domain for example). Without this attribution in your report, you will have been deemed to have plagiarised the code.