

Web Development: Large Coursework

Brief

Where will you be in 2034?

In this assignment, you will build the portfolio website for the future you, presenting yourself as you might want to be seen in 10 years.

Your brief is to **design, build and deploy a responsive website to be your professional portfolio in 10 years**. It is up to you how realistic your view of your own future should be.

Your website should have 3-5 pages of content (as in 3-5 html files: single-page scrolling sites count as **one** page only).

Things you might include on the website:

- Information about yourself and your interests
- Educational and employment history
- Examples of work that you have done, artworks that you have created, etc

Any website you build will be publicly available when you save it to igor, so be careful:

- Do not write anything **defamatory, offensive** or that might get you or the university into legal trouble (e.g. do not incite breaking the law).
- Avoid material that isn't either your own, in the public domain or issued with a suitable license (e.g. Creative Commons)
- Do not give personal information that you want to keep private. If you are worried about any sharing anything, feel free to use a fake name and fake details

Your web site should have **3-5 pages** with unified but varied layout and appearance. You should include media where appropriate, including images, video and sound clips.

In addition to the web site, you will include a report in valid HTML format. This should be saved as **report.html** file in your site's base directory. A template for this is on learn.gold. The report 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 structure 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.

About this document

This document is quite long, but is divided into sections to help you find what you need:

- Getting started
- Requirements
- Report structure
- Using materials from elsewhere
 - How to cite code
 - Taking things from the web
 - Avoiding plagiarism
- Submission requirements
- Grading
- Marking scheme

Getting started

Plan

- Research portfolio websites – look at other sites and use look at what content they include. Use the traffic light system to evaluate the sites.
- Research online portfolios – look for guidance on how to construct online portfolios. What advice does Goldsmiths give? Where else can you find advice on structure, content and appearance?
- Consider your own ambitions – plan how future you will want to present yourself

Design

- Work out what pages you will build for your website and sketch a simple **site map**
- For each page, make a **low-fidelity wireframe** of how it should be structured
- For each page, make a convert your wireframe into a **high-fidelity wireframe**, with decisions about layout and presentation
- Choose fonts and colours before you start building the HTML

Plan (again)

- Think about your designs. What will they require?
- If there's anything in your design that you don't know how to do, plan to tackle it early, and ask any questions in Virtual Contact time or Review Seminars.

Requirements

Basic requirements

- Your site directory will be **well organised** and files and directories given suitable names
- Your site will:
 - **validate** to **HTML5** web standards
 - be **responsive**. You may choose to use a framework such as Bootstrap to help you to achieve this, but it you should also include enough responsive CSS code that is your own work
 - be **easy to use** and navigate
 - be **aesthetically appealing** with suitable fonts and colour scheme
 - be **accessible**, using appropriate colours, tags and alt attributes
 - make use of **JS** where appropriate
 - Use **external JS** files where possible, internal script tags where necessary and avoid inline JS
 - Contain comments:
 - to **help understand** the HTML, CSS and JS; and
 - to show the **source of any code you've copied or adapted** from other sources
- Your CSS will
 - meet modern standards, but work well enough on older browsers
 - be loaded from **external stylesheets** shared between pages (no style attributes)
- Your report will:
 - Validate to HTML5 web standards
 - Follow the structure described below
 - Include your planning diagrams (wireframes)

Advanced features

In most assignments at university, to get beyond 70%, you have to go beyond the basics. To get the extra credit for higher marks, you should include:

- **Advanced CSS** (e.g. animations and/or transitions, flex or grid, comprehensive @media queries)
- **Custom JS** (i.e. code you've written yourself)
- Dynamic or interactive content

Report structure

Report: Large Coursework

YOUR NAME

Introduction:

- How did you approach the subject? What does your site say about future you?

Background:

- Who is your audience?
- Give (at least) 3 online portfolios you looked at when creating your website and summarise your thoughts about them
- Give one resource about how to create an online portfolio that you referred to

Planning

- Give (at least) 3 ways in which you have ensured accessibility for your website. If you have used a WCAG tool, or evaluated it manually, give the results of that evaluation.
- Give 1 way in which you have made your site easy to use or navigate.

Implementation

- Give an example of something that you had to learn or research when creating the website. How did you find it out? From where? Did you take the examples directly, or did you modify them?
- What resources does your work use? What libraries, plugins, are included?

Evaluation

- State 3 things that you think worked particularly well in your work
- State 3 things that you think might be improved. How would you do them differently another time? How would you fix them given more time now?

References

- List all sources of information and code that you used to prepare the website. This should use a consistent format. You'll find a suggested format, with examples, further down this document.

Appendices:

- Site Map (if applicable – some simple sites don't need one)
- High and low fidelity Wireframes (if you change design while building the site, include both original and modified diagrams)
- Screenshots of the reports from the W3C markup validator at <https://validator.w3.org/> when run on the **submitted version** of **each page** of your site.

Using materials from elsewhere

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](http://WebsiteURL). [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, you must describe what you have taken, where you took it from and what you have done to it in your report (it's also good practice to put a comment in your code about it).

If you copy-and-paste something almost without change, you must say that you have done it, it must conform to Web 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.

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.

Submission requirements

Submission deadline is Monday 8th January at noon (12:00 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 report and 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 a subdirectory of your public_html on IGOR.
- Your landing page should be called index.html and the report page should be a page called report.html. Avoid uppercase, spaces and punctuation in your file names.
- **Put a link in your report** to your live version of the site on IGOR.
- Use relative links in your HTML, so that they work locally within the submission directory as well as on igor.

(If you don't know what any of these points mean, then ask)

You should use **zip** file submission to submit all files bundled together.

Please note: **There is a limit to uploaded file size.** 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!

Grading

70 or above : Work which demonstrates considerable grasp of the subject, meeting all the above requirements, and in addition, demonstrating understanding beyond topics covered in class.

60-70 : Work which demonstrates considerable grasp of the subject, meeting all the above requirements, encompassing topics covered in class.

50-60 : Work which demonstrates some good understanding of the subject, and meeting most of the above requirements.

40-50 : Work which does not demonstrate good understanding of the subject, 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 or demonstrates little understanding of the subject.

Marking scheme

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 3-5 page web site with files well named and in suitable directories
- 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 5 marks for the successful creation and use of shared external CSS (**no internal CSS**)
- up to 5 marks for the use of CSS to provide an aesthetically appealing presentation
- up to 5 marks for appropriate and interesting layout across the site, going beyond simple single column
- 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 through DOM manipulation
- 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

Report, Design and Reflection

- up to 5 marks for comprehensive and representative wireframes reflecting the responsive design of the site, including revisions if they occur during the development of the site. You may include a site map if you made one during your planning.
- up to 10 marks for design (5 marks) and code (5 marks) that address the accessibility of the site for users with different abilities, including the explanation in the report
- up to 10 marks for the report itself, with 5 marks reserved for reflection in the report on the experience of creating the web site, including elements that might be implemented in a different way in the future
- up to 5 marks for the quality of the content in the stories, including words, pictures and other media. The media should all work together to tell a rich, coherent and interesting story.

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.