



University of Brighton

School of Computing, Engineering and Mathematics

CI135 Assessment Brief

Module Title	Introduction to Web Development
Module Code	CI135
Author of Assignment	Dr Liz Guy
Assignment No	1
Assignment Title	Coursework – Responsive website
Percentage contribution to module mark	50% At the end of semester 2 there is an examination, also 50%. The average mark for both assessments when added together must be 40% or above to pass the module. Students also have to gain a ‘threshold’ mark of 30% or above in both assessments to pass.
Module Learning Outcomes Covered	1. Understand and apply web technologies 2. Appreciate and apply fundamental web design principles 3. Create well-formed, accessible and standards-compliant web pages
Date of issue	Tuesday, October 10, 2017
Deadline for submission	23:55, Friday, January 19, 2018
Method of submission	e-submission link on studentcentral > CI135 area > Assessment page
Date feedback will be provided	Monday, February 19, 2018

Assignment brief and assessment criteria

The marking criteria for this assignment are on page 5. Websites that are not responsive will not automatically fail, providing they demonstrate knowledge of HTML and CSS web standards and how to apply them to create the **3-page website** described in the brief. To achieve a grade of A or B the website must be responsive.

Page 1: *The Learning Journal*

The online lab tutorials demonstrate how to make a simple *Learning Journal* web page from scratch. They can be accessed at this link –

<http://www.cem.brighton.ac.uk/staff/esg1/ci135/index.html>

Follow the instructions in the lab tutorials and create a *Learning Journal* page called **index.html** in a folder on your *itsuite* W:\ drive workspace. This activity will be supported in the weekly lab classes.

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1. A copy of your coursework submission may be made as part of the University of Brighton's and School of Computing, Engineering & Mathematics procedures which aim to monitor and improve quality of teaching. You should refer to your student handbook for details.
 2. All work submitted must be your own (or your team's for an assignment which has been specified as a group submission) and all sources which do not fall into that category must be correctly attributed. The markers may submit the whole set of submissions to the JISC Plagiarism Detection Service.

The aim of the *Learning Journal* is to make a responsive web page where you can write about what you are learning on the module and link to the resources you are using.

Once you have set up your *Learning Journal* you should use it to document your coursework:

- Create a blog-style post **each week until you have finished the coursework** and write about what you have learned. Did you learn anything new? Did you learn how to do something differently from the way you have been taught before? Did you find any websites that were helpful, or read a relevant article in a web design magazine? The posts can be short – about 100-200 words - but they should be interesting and informative. Include images, or media such as embedded video where relevant.
- Provide references and links to resources you have used to help with your coursework. These might include –
 - Websites that teach HTML, CSS and web design; online tutorials.
 - Sites which are useful for reference – *e.g.* W3C specifications, HTML element and CSS property reference pages.
 - Sources of inspiration – responsive websites that you like, or articles by leading web developers and designers.
 - If you used books on web development include a reading list.
- Describe how you carried out the coursework; comment on any problems you had and how you solved them.

Your *Learning Journal* will be used to assess your independent learning and achievement in semester 1 of CI135. It is important that you take Page 1 of the coursework seriously, particularly the need to provide evidence of independent study.

Page 2: Guide for students

Your *Learning Journal* is the home page of a small website with three pages, which should be linked and have a menu for navigation. The second page is a *Guide* to **ONE THING** to do in Brighton (or Hove). Don't attempt to make a general guide to the town – a single thing to do is enough.

The audience for the *Guide* are first year students and applicants visiting a university campus Open Day. You can write about a visitor attraction, a pub or club, a walk, a unique shop – anything that you think is an unmissable thing to do on a day out in the town. We will show the best projects on Open Days – so your *Guide* is for a real audience.

Unlike the *Learning Journal* there are no detailed lab tutorial instructions about how to make the *Guide* page. This is what you have to do –

- a. Create an HTML document called **guide.html** with the HTML5 doctype and save it in the same folder as **index.html** on your W:\ drive workspace.
- b. You should include original text and copyright-free image or multimedia content in the page. An embedded Google map might be a useful feature.
- c. You should include a number of different HTML elements in your web page – *e.g.* absolute and relative links, and in-page navigation using anchors; HTML5 page structuring elements *e.g.* `<header>`, `<nav>`, `<main>`, `<section>`, `<footer>` *etc.*; `div`s where necessary to group content; paragraphs; headings; lists; tables (do not use tables for layout). These elements should have `class` and `id` attributes where necessary.

d. Like the *Learning Journal* your *Guide* page should be responsive; the stylesheet should include CSS3 media queries to present the page appropriately for devices with different width screens.

e. Your **HTML** code should be tested and validated as **HTML5** using the *W3C Markup Validation Service*¹: print out the summary results as a screenshot or PDF file, after fixing any errors. The website will be marked in the latest version of Firefox or Chrome, so it must display correctly in these browsers.

Page 3: HTML5 contact form

The third page should have a contact form to get feedback from visitors to your website. Create an HTML document called **contact.html** with the HTML5 doctype and save it in your website folder on your W:\ drive workspace.

The contact form should be coded with HTML5 form **input types** and **attributes**; include some HTML5 validation; and be fully styled by CSS to ensure a good user experience. Lab tutorial 9 covers HTML and CSS forms; to find out about the full range of HTML5 form features you can do some independent research. Read these articles -

- <https://developer.mozilla.org/en-US/docs/Web/Guide/HTML/Forms>
- <http://html5doctor.com/html5-forms-introduction-and-new-attributes/>
- <http://html5doctor.com/html5-forms-input-types/>

HOW TO SUBMIT YOUR WORK

The deadline for submitting coursework is **23:55 Friday, January 19 2018**. An online submission link called **COURSEWORK** will be available from January 08 2018, on the Assessments page of the CI135 area of studentcentral –

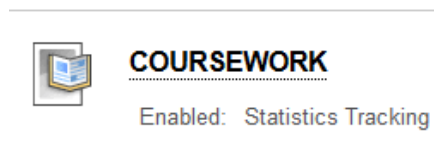


Figure 1. Studentcentral online submission link for semester 1 coursework

- Upload a **zip file** containing all the source files for your web pages, organised in a site folder with the structure shown below (Figure 2).

¹ <http://validator.w3.org/>

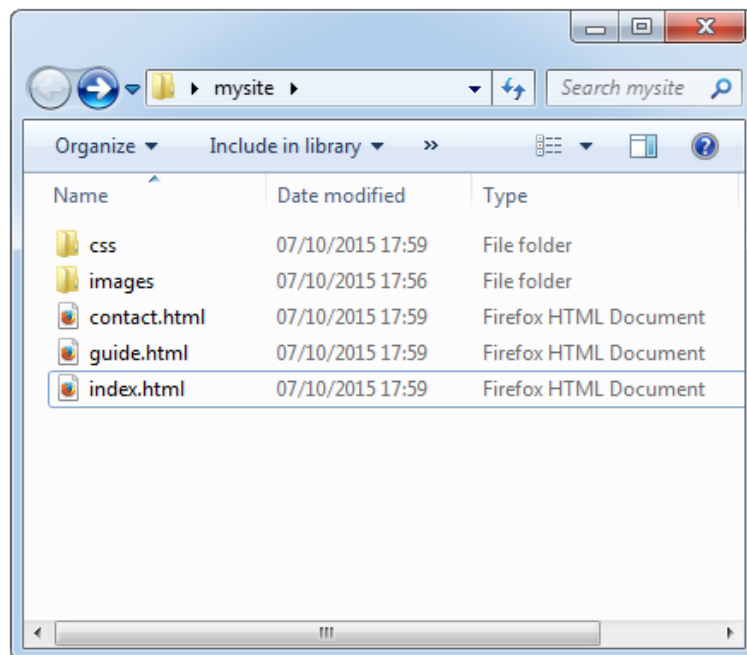


Figure 2. The folder structure for your website files

- The zip file should also include screenshots of the W3C validation reports for the HTML and CSS files. Alternatively save the screens as PDF files and submit these.
- In the online submission tool text window write the properly formatted URL for your *Learning Journal*, published on the *itsuite* web server – e.g.

<http://itsuite.it.brighton.ac.uk/username/foldername/index.html>

Your web pages will be marked online and accessed through this URL. Please test it before you submit, to ensure that the URL is correct and accesses your web pages. It may not be possible to mark the work of students who submit an incorrect URL.

If you have any questions please ask your lab class tutor, or email Liz Guy.

Liz Guy, CI135 module leader

Cockcroft 503, e.s.guy@brighton.ac.uk, 01273 642413

GRADE / CRITERIA & WEIGHTING	A >70%	B 60-69%	C 50-59%	D 40-49%	FAIL 30-39%	FAIL <30%
Technical competence 35%	Excellent use of valid, well-formed HTML and CSS media queries to create a <u>fully responsive website</u> . Advanced standard for this level.	Good use of valid, well-formed HTML and CSS media queries to create a <u>responsive website</u> .	Satisfactory understanding of how to use well-formed HTML and CSS. Website may not be fully responsive.	Weak understanding of how to use well-formed HTML and CSS. Website is not responsive.	Only partial understanding of standards-based web development; many code errors. Below what is required at this level.	Lacks understanding of web standards and how to apply them
Content and styling 25%	Very creative use of CSS, HTML, text and image, possibly other media, to create an engaging website.	Creative use of CSS, HTML, text and image, possibly other media, to create an engaging website.	Satisfactory use of CSS, HTML, text and image. Website presentation may not be optimised for different screen widths.	Shortcomings in use of CSS, HTML, text and image.	Poor use of CSS, HTML, text and image	Very poor use of CSS, HTML, text and image
Awareness of legal and ethical issues 10%	Excellent understanding of issues; sources credited through hyperlinks and references; permission to use all 3 rd party assets and code.	Good understanding of issues; sources credited through hyperlinks and references; permission to use all 3 rd party assets and code.	Satisfactory understanding of issues; most sources credited through hyperlinks and references; permission to use 3 rd party assets and code.	Weak understanding of issues; few sources, may not be fully credited or referenced.	Lacks understanding of copyright; no credits or hyperlinks to sources; use of 3 rd party assets and code without permission.	No awareness, or not attempted. Plagiarised 3 rd party assets or code.
Independent study 10%	Evidence of excellent independent study to create the website	Evidence of good independent study to create the website	Evidence of satisfactory independent study to create the website	Evidence of little independent study to create the website, mainly relying on examples provided.	Little or no evidence of independent study to create the website	No evidence of any independent study having been done
Reflection on learning 20%	Very insightful and well-documented reflection on the process and learning in the Journal	Thorough documenting and reflection on the process and learning in the Journal	Satisfactory documenting and reflection on the process and learning in the Journal	Weak reflection and little documentation of the process and learning in the Journal, or incomplete journal	Poor documentation and reflection on process and learning in the Journal, which is incomplete	No evidence of learning in the Journal, which is incomplete

The mapping of grades to assessment criteria should be read in combination with the University of Brighton marking descriptors – <https://staff.brighton.ac.uk/reg/acs/docs/Undergraduate%20marking-grading%20descriptors.pdf>