

Assessment Information/Brief 2023-24

To be used for all types of assessment and provided to students at the start of the module. Information provided should be compatible with the detail contained in the approved module specification although may contain more information for clarity.

Module title	Web Development and HCI
CRN	33286
Level	4
Assessment title	Web Development with HTML5 and CSS3
Weighting within module	This assessment is worth 50% of the overall module mark.
Module Leader/Assessment set by	Md Shadab Mashuk m.s.mashuk@salford.ac.uk
Submission deadline date and time	Friday 8th December 2023, 16:00. For coursework assessments only: students with a Reasonable Adjustment Plan (RAP) or Carer Support Plan should check their plan to see if an extension to this submission date has been agreed.
How to submit	<p>Your assignment must be submitted through Blackboard in the form of a single ZIP file containing:</p> <ol style="list-style-type: none"> 1. The complete folder structure with all source files and other resources that make up your website and 2. Your written report in PDF format. <p>The file should be named as:</p> <p>[Your surname]_[Your name].zip — for example: Smith_John.zip.</p> <p>In addition, you are required to publish your website on a University of Salford based server and include the URL in the text submission field on Blackboard at the time of submission.</p> <p>Please insert your student roll number as well as your name on your submission report to avoid any confusion.</p>

Assessment task details and instructions

You are required to create a **website** of 3 - 5 pages. You are welcome to choose a topic that interests you for your website, but the content must not be offensive, illegal, or contain material which the University would consider to be inappropriate.

Possible examples may include:

- **A guide to MediaCityUK**
- **Information about a football team**
- **A guide to Manchester music scene**
- **Your personal website, containing a profile**
- **A software programming guide**
- **Information about a local running club**
- **One of your hobbies**

All the words on the site must be written by you. They must not be copied from anywhere. You are not permitted to use printed material that you have re-typed.

All the content images on the site must be your own, or you must have written permission to use them. You may use free buttons, icons, etc. that have been made available for use on the Web as part of the design, but you must document in your write up the source of all such images that you use.

The need to use your own content images will restrict the kind of subject you can choose. If you are having difficulty selecting a topic, you might want to consider the town, city or country that you come from, somewhere that you visited on holiday or a website to promote yourself or your course.

You will publish the site using your account on a University of Salford based server – more details will be given to you in the workshops. You must not modify your website on the server after you have submitted your work until your mark has been published on Blackboard.

In addition to coding and publishing the website you are required to write a report showing the final structure of content elements in your pages, how you have applied style to the content and evidence of validation testing and cross platform and browser testing. More details about the report can be found in Appendix 2.

Assessment Criteria

The assignment must be completed on your own. The assignment must be completed on time and standard university lateness penalties will apply.

This is a design based assignment that allows you to proceed along any number of different routes to a completed website. The

information below gives an indication of how to gain a basic pass mark and what to do to gain a higher mark.

To obtain a pass, you must:

- Submit and publish a website that displays between 3 and 5 coherent, structured and linked web pages, using correct HTML5 and CSS3
- Include a number of different HTML5 and CSS3 elements e.g. fonts, lists, headings, images, navigation and other semantic elements, layout, media queries
- Submit a report which is well presented and coherent.

Additional marks will be awarded for a more effective and better designed website with more advanced HTML5 and CSS3 elements.

This might include:

- Good use of a wider range of HTML5 elements
- Good use of a wider range of CSS3 styles
- Evidence of design meeting accessibility guidelines
- Evidence of website working responsively across multiple browsers, screen resolutions, font sizes
- Choice of different themes i.e. stylesheets to work with the same HTML documents
- Evidence of HTML5 and CSS3 validating against appropriate standards
- Evidence of advanced CSS3 features such as animation and transitions
- High quality design, including layout, structure, navigation, graphics, use of English to a standard that one would expect from a professional website

Note that it is not necessary to include all of these to gain a first class mark. You are also at liberty to include your own features. The additional features must be well designed, well implemented and well reported. Obtaining a first class mark will typically require independent study and research going beyond the topics covered in the workshops.

This assignment focuses on HTML and CSS - no marks will be given for including JavaScript.

The full marking scheme can be found at the end of the assignment brief.

Knowledge and Understanding Practical, Professional or Subject Specific Skills	Assessed intended learning outcomes On successful completion of this assessment, you will be able to: <ol style="list-style-type: none"> 1. Create and maintain a collection of web pages using HTML and Cascading Style Sheets (CSS). 2. Apply principles of design, mark-up validation, accessibility and debugging. 3. Create websites that are portable across different browsers and a range of input/output devices.
Employability Skills developed / demonstrated	Communication YES/NO Critical Thinking and Problem Solving YES Data Literacy YES Digital Literacy YES Industry Awareness YES Innovation and Creativity YES Proactive Leadership NO Reflection and Life-Long Learning NO Self-management and Organisation YES Team Working NO
Word count/ duration (if applicable)	There is no strict word limit for the report, but you should follow the report structure as outlined in Appendix 2 at the end of this brief.
Feedback arrangements	It is envisaged to make marks and feedback available on Blackboard within 15 working days after the deadline.
Academic Integrity and Referencing	<p>Students are expected to learn and demonstrate skills associated with good academic conduct (academic integrity). Good academic conduct includes the use of clear and correct referencing of source materials. Here is a link to where you can find out more about the skills which students need:</p> <p>Academic integrity & referencing Referencing</p> <p>Academic Misconduct is an action which may give you an unfair advantage in your academic work. This includes plagiarism, asking someone else to write your assessment for you or taking notes into an exam. The University takes all forms of academic misconduct seriously.</p>
Assessment Information and Support	Support for this Assessment Support is provided in the weekly hands-on workshops. There will be dedicated assignment support sessions prior to the deadline. For questions relating to the assignment, you should consult the Frequently Asked Questions section in the Assessment 1 folder on

Blackboard. For any remaining questions you can contact the module tutor via email.

Documents and Recommended Reading

- Lecture and workshop notes on blackboard (<https://blackboard.salford.ac.uk>)
- www.w3schools.com
- <https://developer.mozilla.org>
- <https://www.w3.org/>

You can find more information about understanding your assessment brief and assessment tips for success [here](#).

Assessment Rules and Processes

You can find information about assessment rules and processes in the Assessment Support module in Blackboard.

Develop your Academic and Digital Skills

Find resources to help you develop your skills [here](#).

Concerns about Studies or Progress

If you have any concerns about your studies, contact your Academic Progress Review Tutor/Personal Tutor or your Student Progression Administrator (SPA).

askUS Services

The University offers a range of support services for students through [askUS](#) including Disability and Inclusion Service, Wellbeing and Counselling Services.

Personal Mitigating Circumstances (PMCs)

If personal mitigating circumstances (e.g. illness or other personal circumstances) may have affected your ability to complete this assessment, you can find more information about the Personal Mitigating Circumstances Procedure [here](#). Independent advice is available from the Students' Union Advice Centre about this process: <https://www.salfordstudents.com/advice/centre>

In Year Retrieval Scheme

Your assessment is eligible for in year retrieval. If you are eligible for this scheme, you will be contacted shortly after the feedback deadline.

You can find more information about this scheme in the Assessment Support module in Blackboard.

Reassessment

If you fail your assessment, and are eligible for reassessment, you will need to resubmit on or before a date at the end of March (in year retrieval) or end of July (standard reassessment), dates to be announced on Blackboard in due course. For students with accepted

personal mitigating circumstances for absence/non submission, this will be your replacement assessment attempt.

The reassessment briefing will be setting the same task.

We know that having to undergo a reassessment can be challenging however support is available. Have a look at all the sources of support outlined earlier in this brief and refer to the [Personal Effectiveness](#) resources.

Marking Scheme

Marks will be awarded in the following six categories:

- Content (images, text with proof of originality / references etc.)
- Design (sketches, wireframes, sitemap, colour schemes etc.)
- HTML structure (html, head, body section, nav, footer, articles, properly indented code etc.)
- Advanced use of HTML (wider range of elements, commented source code etc.)
- Use of CSS (style, layout, classes, id's, structure, comments etc.)
- Validation and accessibility (Evidence of validation and testing with regard to different platforms including mobile and accessibility)

Indicative Assignment Assessment Criteria and Marking Scheme (out of 100)

	80-100%	60-79%	40-59%	20-39%	0-19%
Content (10 Marks)	3-5 pages worth of high quality content including different information and media types, all resources with copyright permission presented.	Good and structured content, images and text with copyright permission presented.	Acceptable content with some references.	Basic content but no references.	Very little content and/or of very low quality.
Design (10 Marks)	Complete and detailed designs including sketches, wireframes, page/link structure, theme(s). Adequate for a professional web presence	Wireframes, page/link structure and basic theme.	Wireframes and page/link structure	Basic wireframes	No or too unspecific design resources
HTML structure (10 Marks)	Well-structured page templates using semantic web elements and a range of other HTML5 elements.	Simple structured page templates using semantic web elements and some other HTML elements.	Basic but structured page template using semantic web elements.	Start of basic page structure using HTML5 elements.	Little or no HTML other than workshop examples.
Advanced use of HTML (20 Marks)	Correct use of a wide range of elements appropriate to the content and demonstrating the capabilities of HTML5. Following best practice throughout.	Correct use of a range of HTML5 elements, adequate for representing more complex content. Generally following best practice.	Correct use of common HTML5 elements, adequate for representing simple content.	Limited and/or partly incorrect use of HTML5 elements.	Little or no HTML other than workshop examples.
Use of CSS (30 Marks)	Use of advanced CSS3 techniques such as mediaquery, multiple CSS files working with the same HTML elements, complex CSS hierarchy rules. Complex and responsive layout based on a professional grid system.	Organised and commented use of CSS for style presentation and layout.	Organised and commented use of basic CSS for style presentation and layout.	Basic CSS usage such as fonts, colours and/or basic layout but little more than workshops.	Little or no use of CSS beyond the workshops.
Validation and accessibility (20 Marks)	Fully validated (including accessibility) on all pages, cross OS platform, device (including mobile), and cross browser testing.	Fully validated (including accessibility) on all pages, some cross platform and cross browser testing.	Some markup validation (no errors) and cross browser testing	Basic markup validation, but has errors, basic browser testing.	Little or no markup validation and cross browser testing

Note that marks are reduced for incorrect use of HTML and CSS elements e.g. using a line break `
` for separating paragraphs (should use `<p>` in combination with CSS) and/or pages with validation errors.

Performance Descriptors

Percentage Mark	Level of Performance
90-100	Outstanding
80-89	Excellent
70-79	Very Good
60-69	Good
50-59	Fair
40-49	Adequate
30-39	Unsatisfactory
20-29	Poor
10-19	Very Poor
0-9	Extremely Poor

Appendix 1 – Recommended Method

Step 1: Decide on the subject of your website. This should be a topic on which you can write several pages without too much effort, and one for which you have access to pictures or photographs that belong to you or your family or you can obtain permission to use them. In other words you can use the images without copyright problems.

If you decide to use images that are someone else's copyright you **MUST** obtain their permission in writing to use these images, and submit this written permission with your report. Staff may confirm with the copyright holder that permission has been granted. If you use someone else's words or images without permission it will be **copyright infringement**, and will be given a fail mark for the module.

Step 2: Decide whether to implement a fixed, liquid, and/or elastic layout. Sketch out your desired page layout. Create a folder called *assignment* within the *webpagedesign* folder you created during the workshops. Your *webpagedesign* folder will then contain both a *workshop* folder and an *assignment* folder. Ensure that your *webpagedesign* folder is correctly organised and committed to your repository as shown in the workshops later in the semester.

Step 3: Create the pages for the site using *HTML5* semantic markup using the same approach used to create the pages during the workshops. A typical page will fill a browser window at 1024x768 resolution or higher. You cannot simply put one or two sentences on a page and expect it to count as a "page". Making sure that every page has the elements required to implement your page layout.

Validate each page with a *HTML5* validator as you create them. Use the one detailed in the workshop sheets. Don't leave validation until the end!

Step 4: Create an external stylesheet, and style the homepage to suit your requirements. Validate the CSS rules using the *Web Developer* extension in Firefox, or by directly using the W3C CSS validator. Update the pages to include the CSS link. Check the appearance is OK.

Step 5: Upload your site to the server, if you have not already done so (server details given in the workshops). Those interested in trying their website out on a real webserver can do so by subscribing to a free service as discussed in the workshops. Please note that this is not a formal requirement and will not attract extra marks.

Step 6: Test your site with a variety of browsers and a variety of platforms, e.g. Windows, Linux, MacOS, Android, iOS. Test the homepage (index.html), and all other pages with a range of different browsers such as Chrome, Firefox, Edge, Opera, and Safari and at different resolutions (using the web developer extensions to emulate different screen sizes). Test your pages by changing the default font size in the browser preference settings to be 24px. Test your site on a mobile device such as a smart phone or mobile emulator. Take screen shots of these test scenarios and present them in the testing document.

Step 7: Write the report detailed below creating a PDF file and submit it together with your complete website as one zip file through Blackboard. Do not forget to enter the URL of your website in the text input field on the submission page. Assessment Information/Brief 10

Appendix 2 – Report

The report is for you to demonstrate that you understand the website that you submitted and that you understand the range of issues around website design. It should cover a number of topics. These must appear in the specified order below:

1. Site content and design

- State the full URL of the website (it should be on the official university server)
- Describe the subject of your website in one or two sentences.
- State whether it is a fixed, elastic or fluid/liquid design.
- Include all design resources (sketches, wireframes, etc.)

2. Use of HTML5

Your pages will be a mixture of <section>, <header>, <footer>, <div>, <p>, , , etc. elements. For the home page, explain **why** you chose the markup elements that you have used.

3. CSS Explanation

Briefly explain your overall design including layout and positioning, colour scheme etc. Explain **why** you have made the choices that you have made. Explain any novel/interesting CSS elements that you have used. You do not have to explain every single element that you have used. Your CSS should contain some comments to explain complex element usage and classes.

4. CSS Techniques

Name any CSS techniques that you have used, and give a reference (Web or book) that was the source of the information for this technique. For example: Boxes with round corners (Web Page Design in a Nutshell, chapter 24).

5. Graphics and other media

Give the URLs of every free icon, button, image, etc. that you used in your site.

6. Testing (browser, font and screen size, platform including mobile)

Show that your website works across a range of common browsers (including different versions) and screen resolutions by including screenshots of your site's homepage in different browsers and at different resolutions. Use your judgement about what to include. You might, for example, include:

Firefox, Internet Explorer, Edge, Opera, Safari, Chrome

Lynx or ELinks in a 80x24 text shell under Linux

Opera mobile emulator, iPhone, iPad

Comment on any differences in the rendering of your page in these tests.

7. Validation

Show the results of the HTML5 validation of all your site's Web pages using the validation tools described in the workshops. Also validate your external CSS rules and test for accessibility. You should provide **readable** screenshots that show the results of the validation in each case. The pages must be on the web server when tested. You should reduce the size of the screenshots where appropriate so your report does not get overly long!

8. Copyright permission (if applicable)

Copy of the written permission you have been given to use material in your site someone else holds the copyright of.