

# Sheffield Hallam University

College of Business Technology and Engineering

## TASK ONE: ASSIGNMENT SPECIFICATION

Module Details	
Code	55-407821
Title	Web Development
Level	4
Course	BSc Software Engineering
Credits	20
Module Leader	Martin Cooper – <a href="mailto:m.j.cooper@shu.ac.uk">m.j.cooper@shu.ac.uk</a>
Module Tutors	Martin Cooper – <a href="mailto:m.j.cooper@shu.ac.uk">m.j.cooper@shu.ac.uk</a> Syafiq Zolkeply – <a href="mailto:sz8979@exchange.shu.ac.uk">sz8979@exchange.shu.ac.uk</a>

Assignment Details	
Task Description	Project
Type	Coursework
Task Weighting	70%
Deadline	Thursday 6 January 2022, 3pm
Submission Format	Zip file
Submission Point	MyHallam> Web Development> Assessment> Task One Submission Point
Feedback Returned	Within 3 weeks of submission

### Learning Outcomes assessed in this task

1. Demonstrate understanding of the relationship between client and server-side technologies in web application development.
2. Design web User Interfaces (UI) with the latest standards in HTML and CSS.
3. Identify when and where to apply JavaScript to enhance interactivity and User Experience (UX).
4. Implement basic server-side scripting with a backend database to provide dynamic content to a web application.
5. Explain and apply techniques to create web content that can be accessed from various devices including mobiles and assistive technologies.

## Project Assignment

### Assignment Brief

For this assignment, you will design and develop a website for a fictional college, “Cantor College”. The site you develop will be built with HTML, CSS, JavaScript and may include a simple connection to a backend database.

All the assets for the website have been provided by the College Dean in a mix of file types. They are attached along with this assignment brief.

You should use all the text provided and as many of the images as are appropriate for your choice of design. You can choose to add your own images along with those provided, as long as they are appropriate for the context of the project.

For the purposes of this assignment you are **not permitted** to use CSS frameworks such as Bootstrap or Foundation. All the HTML and CSS should be original, although it can take inspiration from the lab materials provided in this module.

You are permitted to use the Javascript library jQuery.

If you provide a backend database and server-side logic, this should be built on .net Core, as demonstrated in the module.

As well as the files that make up the assignment you should provide evidence of your design and testing processes. This should take the form of screenshots or digital images to evidence that you have considered the design of the site before starting coding by such techniques as wireframing, mock-ups or mood boards. These could be electronic or hand-drawn but please include electronic evidence. You should also use screenshots to evidence three examples of improvements to the site identified by accessibility testing through Lighthouse. The screenshots should show the problem and then the fix.

Please place this evidence inside a folder in your submission labelled ‘EVIDENCE’. Rename the testing screenshots as ‘Problem1’ and then ‘Fix1’ etc.

If you are unsure about the assignment requirements, please speak to the module team.

## Marking Grid

Marks will be allocated on the following basis.

Description	Marks*
<b>Design, Content, Structure and Information Architecture (20 Marks)</b>	
Evidence provided for wireframe design.	4 Marks
Appropriate file structure and naming convention used through-out.	3 Marks
Site navigation refactored and improved.	5 Marks
All text content used.	3 Marks
Good use of images, resize and rescaled.	5 Marks
<b>HTML (15 Marks)</b>	
All pages uniquely titled	3 Marks
All pages hyperlinked in a consistent fashion.	4 Marks
HTML well formed and free from errors.	4 Marks
HTML structured in a robust way using a range of appropriate HTML elements.	4 Marks
<b>CSS (15 Marks)</b>	
CSS applied to create a consistent 'look and feel' throughout.	3 Marks
Styles applied following the 'Mobile First' paradigm.	3 Marks
CSS includes at least one example of CSS classes, IDs and HTML selectors.	3 Marks
CSS includes at least one example of an attribute selector and at least one example of a pseudo-class.	3 Marks
Site makes use of at least three different layout templates.	3 Marks

<b>Javascript (20 Marks)</b>	
Example of at least one Javascript feature that reacts to user input.	10 Marks
Inclusion of a Javascript image slider or rotation feature. Can be self-authored or make use of a plugin as popularised by JQuery.	10 Marks
<b>Database (10 Marks)</b>	
At least a one table database.	5 Marks
Data successfully and meaningfully extracted from Database and formatted into a HTML page.	5 Marks
<b>Accessibility (10 Marks)</b>	
Consideration of accessibility in headers, images, tables, media and appearance in the webpages created. Evidence of accessibility testing provided.	10 Marks
<b>Bonus Marks (10 Marks)</b>	
Impress the client! Can you add some functionality or feature that has not been explicitly covered on the module?	10 Marks

\*Note markers will allocate marks up to that indicated for each requirement. The better the quality of the evidence the closer you will get to the full marks available.

## In-module Retrieval

Following first-sit assessment, In-Module Retrieval (IMR) will be offered to students achieving below 40% for this assessment task.

IMR means that you will have an opportunity to resubmit a reworked version of your original assignment, following feedback, within a short space of time (usually 5-10 working days) in order to achieve a pass grade. The maximum mark available is 40%.

You will need to look out for an email from your Module Leader (to your SHU email address) shortly after the marks have been released. This will give you more details and tell you what you need to do next.

If you decide not to participate in the In-Module Retrieval attempt and subsequently do not pass the module, you will be referred which means you will have an opportunity to resubmit an assignment during the reassessment period (usually July for students on standard courses).

The time available to you to submit an IMR attempt will be less for those students who submit after the original submission deadline date (with or without an approved extension).

Further information about IMR is available on Assessment 4 Students on [shuspace](#).