School of Computing: Resit Assessment brief

Module title	Introduction to Web Technologies
Module code	COMP1021
Assignment title	Coursework 2
Assignment type and description	This coursework is an extension to Coursework 1 and students will be using advanced web technologies such as Advanced HTML, JavaScript/jQuery, and Bootstrap.
Rationale	This coursework is designed to assess students' understanding on client-side advanced web technologies (Advanced HTML, JavaScript/jQuery, Bootstrap) and to use them in the development of a responsive website.
Word limit and guidance	As such there is no word limit but there is a requirement of 10 web pages in the website which should be linked together through a navigation system.
Weighting	60%
Submission deadline	09 August 2024 10.00 AM BST
Submission method	All files must be submitted as a **zip archive on Minerva.**
Feedback provision	Feedback will be provided through Minerva when the coursework is assessed. Students can directly contact the module leader if further feedback is needed.
Learning outcomes assessed	1. Develop client-side dynamic content using appropriate technologies and libraries (e.g. JavaScript/jQuery, Bootstrap). 2. Evaluate the design of a website applying judgement to determine if it meets a set of requirements. Identify the issues of web accessibility and develop sites that comply with current legislation relating to accessibility.
Module lead	Dr. Muhammad Azhar Iqbal

1. Assignment guidance

Students should submit complete website consisting of 10 web pages. All web pages should be compliant to HTML5 and CSS3 Standards. Moreover, it is required from students to add some client-side dynamic content (using Bootstrap, CSS, JavaScript, and Advanced HTML features) to the website in a way that should be well thought out.

2. Assessment tasks

TASK 1: 40 Marks

Students should consider the following. Take care in reading the specification. You will be penalised if you fail to meet any of the requirements below.
- Create appropriate content
- Contain a navigation system which allows for easy navigation between the pages of the website
- Use diversity of HTML Tags i.e., Tags for HTML Form, Table, Lists, Formatting, Image, Hyperlinks, Header/footer, etc.
- Use appropriate styling with CSS
- Appropriate and consistent use of Bootstrap on all web pages
- Substantial amount of JavaScript (or jQuery) that adds some dynamic content to the website and that is well thought out and adds functionality i.e., form validation, image slider, buttons with bottom-to-top feature, etc.
- Demonstrate an awareness of accessibility issues i.e. using alternative text in images
- At least two advanced features of HTML5, i.e. Geolocation, Local Storage, Session Management, etc.
- Consideration for the responsive web design i.e. how your website will render on different devices, browsers, and screen sizes.
- All pages must conform to the HTML5 standard.
- All style sheets must conform to CSS3 standards.
- All styling should be done in a separate style sheet.
- You MUST NOT use any editor that assists in the creation of web pages, i.e., Dreamweaver and similar are not permitted.
- Do not use any other technologies except HTML, CSS, JavaScript/jQuery, or Bootstrap.
- All images or text used in the deliverable should be appropriately referenced and copyright should be obtained if you are using images produced by others.
- Comments must be used (in HTML, CSS, and JavaScript/jQuery files) to explain the functionality of each block of code.

TASK 2: 20 Marks

A design document (not more than 3 pages) in pdf format, containing the following:
- a wireframe model of the website pages layout
- clear description of all used features related to BootStrap, JavaScript, and Advanced HTML used by the student to develop web pages
- A brief evaluation of your implementation justifying any changes between your initial design and your implementation

- an outline of how you tested your website
- How responsive is your website and how have you tested it.
- Students are required to provide proofs for testing on different devices and browsers including non-standard browsers such as those used by visually impaired users in the form of screenshots
- any references that are required for the content you have used.

3. General guidance and study support

Please go through the material provided on Minerva for this module.

4. Assessment criteria and marking process

Following is the distribution of marks.

Question	Max. Marks
CSS and Bootstrap)	5
JavaScript or JQuery	15
Advanced HTML	15
Accessibility considerations	5
Design	12
Evaluation	8
TOTAL	60

5. Presentation and referencing

The quality of written English will be assessed in this work. As a minimum, you must ensure:
- Paragraphs are used
- There are links between and within paragraphs although these may be ineffective at times
- There are (at least) attempts at referencing
- Word choice and grammar do not seriously undermine the meaning and comprehensibility of the argument
- Word choice and grammar are generally appropriate to an academic text

These are pass/ fail criteria. So irrespective of marks awarded elsewhere, if you do not meet these criteria you will fail overall.

6. Submission requirements

All files must be submitted as a zip archive. No other format will be accepted. You should submit the zip archive via Minerva before the deadline.

7. Academic misconduct and plagiarism

Academic integrity means engaging in good academic practice. This involves essential academic skills, such as keeping track of where you find ideas and information and referencing these accurately in your work.

By submitting this assignment you are confirming that the work is a true expression of your own work and ideas and that you have given credit to others where their work has contributed to yours.