

Scripting and Web Technologies

4CM513



01 Assessment Brief

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Module Leader

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- MS 310, Monday – Thursday (10:00 am – 03:00 pm)

Key dates and details

Assessment Detail	Assessment Information
Assessment Mode:	Individual Assignment
Assessment Weighting:	50%
Word count/Length:	1500 (The word count is just guidance so you can estimate the amount of work required. There is no penalty for more or less words.)
Learning Outcomes:	2. Design, implement and test a simple prototype application including a consideration of and application of cyber security.
Submission Method:	Turnitin
Submission Date:	12:00 Noon UK time, Thursday 19/03/2026 (Turnitin submission)
Provisional Feedback Release Date:	02/04/2026

Description of the assessment

Pizza UNO Sunderland is an emerging culinary brand based in Sunderland. The company has a total of 5 full-time employees and 12 part-time employees. Their objective is to expeditiously transport the recently prepared meal to the customer's residence. It is only feasible if Pizza UNO got the order punctually. They created a website approximately twelve months ago, demonstrating unwavering commitment to their goal and capacity to adjust to modern methods. Their domain is <https://sunderland.pizzauno.co.uk/>. A number of their current clients expressed dissatisfaction with their homepage, process for placing orders, and website navigation.

As a front-end web developer your focus should be on user-facing parts of the site. Front-end web developers use a mix of three programming languages. JavaScript, HTML and CSS. HTML helps them structure content while CSS allows them to define typography, colors and layout. Finally, JavaScript lets them control the dynamic parts of the page, such as forms, animations and pop-ups.

Relationship to Programme Assessment Strategy

This assessment focuses on analysing and enhancing the front-end aspects of a website, aligning with the broader objectives of the module by integrating both theoretical and practical knowledge of web development. It builds a foundation for future assessments by identifying critical user interface issues, usability challenges, and security vulnerabilities, which are essential for creating robust and user-friendly solutions. The insights and recommendations from this report will inform the design phase in the next assessment, ensuring that the proposed solutions align with user requirements and industry standards. By addressing real-world issues such as user experience and cyber security, this assessment contributes to developing the technical and analytical skills necessary for evaluating and improving digital products throughout their lifecycle.

Attributes and Skills

Skills		Links to useful resources
<input checked="" type="checkbox"/>	Critical thinking	Critical Thinking - Critical Thinking - LibGuides at University of Derby
<input checked="" type="checkbox"/>	Communication	Communication - Communication - LibGuides at University of Derby
<input checked="" type="checkbox"/>	Collaboration	Building Relationships & Effective Collaboration - Building Relationships & Effective Collaboration - LibGuides at University of Derby
<input checked="" type="checkbox"/>	Creative problem solving	Creative Problem Solving - Creative Problem Solving - LibGuides at University of Derby
<input checked="" type="checkbox"/>	Self-direction & planning	Introduction - Self-Direction and Planning - LibGuides at University of Derby
<input type="checkbox"/>	Numeracy, statistics & financial literacy	Introduction - Numeracy, Statistics and Financial Literacy - LibGuides at University of Derby
<input checked="" type="checkbox"/>	Digital	Introduction to Digital Skills - Digital Skills - LibGuides at University of Derby
<input checked="" type="checkbox"/>	Resilience	Academic Wellbeing - Academic Wellbeing - LibGuides at University of Derby
<input checked="" type="checkbox"/>	Adaptability	Content / IT Product Design (derby.ac.uk)
<input checked="" type="checkbox"/>	Leadership & future thinking	Content / IT Product Design (derby.ac.uk)

Assessment Content

As a front-end web developer, your focus should be on the user-facing parts of the site. Front-end web developers typically use a combination of three programming languages: JavaScript, HTML, and CSS. HTML structures the content, while CSS defines typography, colors, and layouts. Finally, JavaScript controls the dynamic elements of the page, such as forms, animations, and pop-ups.

Task

You are required to review the current Pizza UNO website and produce a study report of approximately 1,500 words. The report should focus on the following aspects and identify any issues or shortcomings of the website.

- Structure of the content.
- Typography, colours and layout
- Dynamic parts of the page, such as forms, animations, and pop-ups
- Front-end checks should be tested through use cases.
- Identify any cyber security issue on the website.

Provide your recommendations for improving all the aforementioned aspects to help Pizza UNO address customer complaints and enhance their customer service. To improve the visual appeal of your report, include screenshots and utilize wireframes where appropriate.

Structure of the Report - Guidelines

Report should have following sections

- 1. Introduction**
- 2. Structure of the content**
- 3. Typography, colors, and layout**
- 4. Dynamic parts of the page, such as forms, animations, and pop-ups**

Shopping cart, front-end checks should be tested, animations, and pop-ups.

- 5. Robust script in relation to the cyber security environment.**

Identify any cyber security issue on the website in terms of inputting data by the client at the website, protocol used and overall, for the payment security at selected website.

- 6. Suggestions for enhancing all the aforementioned aspects.**

Make wireframes for your suggestion's depiction.

Note: Include screenshots of the website where necessary to support your explanations.

Final Draft Review

- A mandatory individual face-to-face review of your final report will take place two weeks before submission. During this session, you will discuss your approach to the task with your lecturer. You will receive a mark reflecting the current status of your presentation, along with immediate oral feedback to help you improve it.

Final Submission

- Following the mandatory final review of the report, you will have two weeks to make improvements before submitting it to the designated Turnitin submission point.

Assessment Rubric

CRITERIA	EXCELLENT (70 - 100%)	VERY GOOD (60-69%)	GOOD (50-59%)	SATISFACTORY (40-49%)	UNSATISFACTORY (<40%)
Structure of content (15 MARKS)	Demonstrates an exceptional understanding of the structure of content.	Displays a comprehensive understanding of the structure of content.	Shows a solid understanding of the web application and the structure of content.	Demonstrates a basic understanding of the web application but lacks depth in certain areas.	Fails to convey a clear understanding of the chosen web application.

Typography, colours, and layout (15 MARKS)	Offers an insightful and detailed analysis of how typography, colours and layout including specific languages, and their impact on user experience and performance.	Provides a comprehensive evaluation of typography, colour, and layout implementation in the chosen web application.	Conducts a solid analysis of typography, colour, and layout though some details may be lacking.	Presents a basic analysis of typography, colour and layout in the web application but lacks depth and specificity.	Fails to provide a meaningful analysis of the typography, colour, and layout.
Dynamic parts and front-end checks should be tested through use cases. (30 MARKS)	Presents detailed and compelling use cases where scripting is integral to the chosen web application, with specific examples and impacts on user interactions.	Provides specific use cases demonstrating the importance of scripting, though some may lack depth or specificity.	Identifies use cases but lacks specificity or may not clearly articulate the impact of scripting in each case.	Offers basic use cases with limited detail or fails to clearly articulate their significance.	Does not provide meaningful use cases or examples related to scripting in the web application.
Robust script in relation to the cyber security environment. (15 MARKS)	Conducts an in-depth analysis of script in relation to the cyber security environment, identifying potential vulnerabilities and discussing implications for scripting.	Performs a thorough analysis of script in relation to the cyber security environment, highlighting potential threats related to scripting and discussing their significance.	Provides a solid analysis of script in relation to the cyber security environment, though some vulnerabilities or implications may be overlooked.	Conducts a basic analysis of script in relation to the cyber security environment, but lacks depth or specificity.	Fails to analyze script in relation to the cyber security environment and their implications for scripting in the web application.
Suggestions for enhancing all the aforementioned aspects. (15 MARKS)	Expectational suggestion that will cover all the lacking identified in above.	Proficient suggestion that will cover all the lacking identified in above.	Competent suggestion that will cover all the lacking identified in above.	Basic suggestion that will cover all the lacking identified in above.	Fail to give suggestions that will cover all the lacking identified in above.
Overall presentation (10 MARKS)	Demonstrates exceptional clarity and structure, with a well-organized document, clear introduction, body, and	Maintains a high level of clarity and structure, with a well-organized document, effective use	Presents a clear and organized document, though some sections may lack	Shows basic organization but may lack clarity in some sections.	Fails to maintain a clear and organized structure.

conclusion. Effective use of language and documentation.	of language, and a clear introduction, body, and conclusion.	clarity or cohesion.
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Assessment AI-assistance

AI assistance **must not be used in any part of this assessment submission**. This includes, but is not limited to, generative AI tools such as Copilot, ChatGPT, Gemini, Claude, or similar systems. All submitted work must be entirely your own.

Using AI-generated content in your submission may result in referral to academic integrity procedures, in line with the University's Academic Regulations (as per Academic Regulations, Academic Misconduct, Section J2).

Anonymous Marking

Submissions in Turnitin and Blackboard

You must submit your work using your **student number** to identify yourself, not your name. You must not use your name in the text of the work at any point. When you submit your work in Turnitin you must submit your student number within the assignment document and in the *Submission title* field in Turnitin. [Guidance](#) is available showing how to do this.

Assessment Regulations

The [University's regulations, policies and procedures](#) for students define the framework within which teaching and assessment are conducted. Please make sure you are familiar with these regulations, policies and procedures.