Assessment Brief- Assessment 2

Unit Code/Description	ICT203 This unit introduces students to both conceptual understanding and hand-on technologies that are relevant to building web applications. The unit's focus is on learning the key concepts, the basic knowledge and skills needed to build that kind of application. Students will explore a range of techniques and gain insight into the standards underlying the web programming used to develop applications from Hyper Text Mark-up Language to data communication between client and server.
Course/Subject	BIT/ Web Application Development (ICT203)
Semester	2 -2024
Unit Learning Outcomes Addressed	ULO 2. Design and develop web-database applications.
Assessment Objective	The primary objective of this assessment is to evaluate students' proficiency and comprehension of the front-end role in web development. Students will be tasked with designing web pages and applying essential web techniques like HTML, CSS, and JavaScript. This assessment aims to gauge their competency in the fundamental front-end skills necessary for constructing a website.
Assessment Title/Type	Online Car Sale / Project(individual)
Due Date	Week 7
Weighting	40
Instructions to Students	Students will have to record a 3-minute video to showcase their website. The video must contain a code walkthrough explaining how the code works. Video must be uploaded to YouTube and then submit link in a text file. Also, thefolder containing all the code for their web app will have to be zipped and submitted. Submission will contain 2 things: 1.Text file contain link to your video 2.Zip file containing your entire website files.
Format/Structure	1.Text file contain link to your video 2.Zip file containing your entire website files.
Word/Page limit	None
Referencing Style	None
Submission Guidelines	Students must submit Zip file containing web's code, and recorded video via Moodle.
Plagiarism and Academic Integrity	At CIHE, we take academic integrity seriously and expect all students to maintain the highest standards of honesty and ethical behaviour in their academic work. As a student, it is your responsibility to ensure that all your academic endeavors are conducted with integrity and in accordance with the principles of honesty, fairness, and respect for intellectual property. Please refer to "CIHE Student Academic Integrity and Honesty Policy" in the Moodle for details.
Late Submission Policy	Assessments will be penalised after 3 days past the due date (without an approved extension or without approved mitigating circumstance) at a rate of 10% of the total mark allocated to the assessment item per day. Therefore, any assessments submitted more than 12 days after the due date will receive a Fail grade.

Online Car Sale Project

Description Design and build a set of linked web pages for a fictitious Online Car Sale. You are required to create Online Car Sale allowing registered sellers to advertise their cars. The site should provide a search capability for the car buyers to find car that they are looking for by typing the car model and location. In this stage, you are required to build front-end of website by using HTML, CSS, and JavaScript. Your web pages must be cross-browser compatible (responsive to different browsers).

Project structure

Design and build a set of linked web pages for a fictitious Online Car Sale. You are required to create Online Car Sale allowing registered sellers to advertise their cars. The site should provide a search capability for car buyers to find car that they are looking for by typing the car model and location. In this stage, you are required to build the front-end of website by using HTML, CSS, and JavaScript. Your web pages must be cross-browser compatible (responsive to different browsers).

A. Homepage

Homepage must consist of the company logo, brief introduction about the business, and links to other web pages of the website.

B. Car Seller Registration

Seller registration allows the system to validate the sellers' details and the system must send back notification if any field is empty.

This page should prompt sellers to fill a form with fields for

- Name
- Address
- Phone number
- Email address
- Username
- Password

C. Seller Page

This page should provide the following links for the sellers to manage the advertisement of their cars after successfully logging in: **Login**, **Add car**. the system must send back notification if any field is empty.

i) **Login page** - This page should prompt sellers to fill a login form with fields for:

- Username
- Password

ii) **Add car** - This page should request user to fill in the form with field for:

- Make
- Model
- Year
- Milage
- Location
- Price

Please pay attention to the following validation requirements for the username and password:

- The username should not be the same as your email and should only contain characters (alphabets). No numbers or special characters are permitted in the username.

- The password should be between 6 and 10 characters in length. It must contain a mix of characters (alphabets), numbers, and specific special characters: '?' '$' '#' '@'.

C. Search Page

Search page allows the users to find car(s) that they are looking for by typing the model and location.

E. About Us page

You should provide full name of business, location of main office, telephone/fax numbers, e-mail address, staff names and picture of staff.

F. Dynamic content

You are required to write JavaScript to achieve the following:

- The background color of each form input must change to yellow when it is selected.
- Background color of each form input must change to white when user leaves input field.
- Background color of each button must change to light blue when the mouse pointer is moving onto a button.

Important Note

Please note that using any built-in libraries or frameworks, such as Bootstrap or Tailwind, is prohibited for this assignment. Any infractions will result in a penalty, deducting 20 marks from your total score.

Assessment Attributes	Fail (Unacceptable) (0-49%)	Pass (Functional) (50-64%)	Credit (Proficient) (65-74%)	Distinction (Advanced) (75-84%)	High Distinction (Exceptional) (>85%)
Homepage (6 marks) **Visual Hierarchy (1 Mark)**	No discernible visual hierarchy; colors, images, and fonts are used haphazardly without regard for layout elements.	Basic visual hierarchy is visible; layout elements are present but not optimally used.	Good visual hierarchy with minor inconsistencies in the use of colors, images, and fonts across layout elements.	Strong visual hierarchy with minor exceptions; effective use of colors, images, and fonts across layout elements.	Exceptional visual hierarchy; optimal use of colors, images, and fonts across all layout elements.
Homepage (6 marks) **Consistent Design (1 Mark)**	No consistent theme; colors, typography, and style vary widely across the site.	Some level of consistency in colors, typography, and style but with noticeable discrepancies.	Generally consistent theme in colors, typography, and style with few exceptions.	Highly consistent theme in colors, typography, and style with minor exceptions.	Exceptionally consistent theme in colors, typography, and style across the entire site.
Homepage (6 marks) Use of White Space (1 Mark)	Poor use of white space, leading to a cluttered and disorganized appearance.	Some effective use of white space, but with areas of clutter or unnecessary emptiness.	Good use of white space in most areas, contributing to an organized and clean appearance.	Excellent use of white space in nearly all areas, enhancing the design and user navigation.	Optimal use of white space throughout, creating an aesthetically pleasing and easy-to-navigate design.
Homepage (6 marks) Company Logo (2 Mark)	No company logo or logo is copied or unoriginal.	Company logo is present and original, but lacks relevancy or aesthetic appeal.	Company logo is original, relevant, and visually appealing with minor improvements possible.	Company logo is original, highly relevant, and visually appealing with minimal improvements possible.	Company logo is exceptionally original, highly relevant, and extremely visually appealing, perfectly representing the company's brand.
Homepage (6 marks) Company Mission Statement (1 Mark)	No company mission statement or statement is unclear, irrelevant, or overly complicated.	Company mission statement is present and somewhat clear, but may lack direct relevance or simplicity.	Company mission statement is clear, relevant, and simple, but could use minor improvements.	Company mission statement is clear, relevant, and simple, but It need improvement.	Company mission statement looks professional. It consistence, clear, relevant, and simple.
Registration Page (6 marks) **Visual Hierarchy (1 Mark)**	No discernible visual hierarchy; colors, images, and fonts are used haphazardly without regard for layout elements.	Basic visual hierarchy is visible; layout elements are present but not optimally used.	Good visual hierarchy with minor inconsistencies in the use of colors, images, and fonts across layout elements.	Strong visual hierarchy with minor exceptions; effective use of colors, images, and fonts across layout elements.	Exceptional visual hierarchy; optimal use of colors, images, and fonts across all layout elements.
Registration Page (6 marks) **Consistent Design (1 Mark)**	No consistent theme; colors, typography, and style vary widely across the site.	Some level of consistency in colors, typography, and style but with noticeable discrepancies.	Generally consistent theme in colors, typography, and style with few exceptions.	Highly consistent theme in colors, typography, and style with minor exceptions.	Exceptionally consistent theme in colors, typography, and style across the entire site.
Registration Page (6 marks) Use of White Space (1 Mark)	Poor use of white space, leading to a cluttered and disorganized appearance.	Some effective use of white space, but with areas of clutter or unnecessary emptiness.	Good use of white space in most areas, contributing to an organized and clean appearance.	Excellent use of white space in nearly all areas, enhancing the design and user navigation.	Optimal use of white space throughout, creating an aesthetically pleasing and easy-to-navigate design.
Registration Page (6 marks) Field Relevance (1 Mark)	Many irrelevant fields or missing essential car registration fields.	Most necessary fields are included but may contain a few irrelevant ones.	All necessary car registration fields are present, with few or no irrelevant fields.	All required fields are present. Optional fields relevant to car registration are also included.	All necessary fields, along with a comprehensive set of relevant optional fields, are present, offering an extensive car registration process.

Registration Page (6 marks) **Error Handling and Validation (2 Mark)**	The form lacks validation rules and error messages, leading to potential data integrity issues.	Basic validation and error messages are present but may lack clarity or cover all potential issues.	Good validation rules and clear error messages are present, guiding the user in case of mistakes.	Comprehensive validation rules and clear, helpful error messages are present, providing a smooth user experience.	Exceptional validation rules and clear, instructive error messages for each form field are present, ensuring high-quality data and an excellent user experience.
Seller Page (9 marks) **Visual Hierarchy (1 Mark)**	No discernible visual hierarchy; colors, images, and fonts are used haphazardly without regard for layout elements.	Basic visual hierarchy is visible; layout elements are present but not optimally used.	Good visual hierarchy with minor inconsistencies in the use of colors, images, and fonts across layout elements.	Strong visual hierarchy with minor exceptions; effective use of colors, images, and fonts across layout elements.	Exceptional visual hierarchy; optimal use of colors, images, and fonts across all layout elements.
Seller Page (9 marks) **Consistent Design (1 Mark)**	No consistent theme; colors, typography, and style vary widely across the site.	Some level of consistency in colors, typography, and style but with noticeable discrepancies.	Generally consistent theme in colors, typography, and style with few exceptions.	Highly consistent theme in colors, typography, and style with minor exceptions.	Exceptionally consistent theme in colors, typography, and style across the entire site.
Seller Page-Design (9 marks) **Use of White Space (1 Mark)**	Poor use of white space, leading to a cluttered and disorganized appearance.	Some effective use of white space, but with areas of clutter or unnecessary emptiness.	Good use of white space in most areas, contributing to an organized and clean appearance.	Excellent use of white space in nearly all areas, enhancing the design and user navigation.	Optimal use of white space throughout, creating an aesthetically pleasing and easy-to-navigate design.
Seller Page -Adding Form (9 marks) **Field Relevance (1 Mark)**	Many irrelevant fields or missing essential car registration fields.	Most necessary fields are included but may contain a few irrelevant ones.	All necessary car registration fields are present, with few or no irrelevant fields.	All required fields are present. Optional fields relevant to car registration are also included.	All necessary fields, along with a comprehensive set of relevant optional fields, are present, offering an extensive car registration process.
Seller Page -Adding Form (9 marks) **Error Handling and Validation (2 Mark)**	The form lacks validation rules and error messages, leading to potential data integrity issues.	Basic validation and error messages are present but may lack clarity or cover all potential issues.	Good validation rules and clear error messages are present, guiding the user in case of mistakes.	Comprehensive validation rules and clear, helpful error messages are present, providing a smooth user experience.	Exceptional validation rules and clear, instructive error messages for each form field are present, ensuring high-quality data and an excellent user experience.
Seller Page Login Form (9 marks) **Input Validation (3 Mark)**	No validation measures in place for username and password fields.	Basic validation measures are present, such as checking for empty fields.	Good validation measures including checks for correct input types and field lengths.	Advanced validation measures including checks for input types, field lengths, and offering user feedback for incorrect inputs.	Exceptional validation measures in place including all the above checks, and additional checks like password complexity.
Search Form (4 Marks)	The search form is missing or irrelevant elements are included.	The search form is present but includes some irrelevant elements.	The search form is present and includes only necessary elements.	The search form is present, all necessary elements are included, and some enhanced features like search category selection are implemented.	The search form is present, all necessary and beneficial optional features are included, and the form contributes to the overall user experience.
About us (3 Marks)	No information about the company or the provided information is incorrect or unclear.	Basic information about the company is present, but it lacks clarity or detail.	Adequate and clear information about the company is provided.	Detailed and clear information about the company is provided.	Extensive and highly detailed information about the company's services, and location are provided, including innovative elements such as interactive catalogues or customer testimonials.

Dynamic interactivity of website (12 Marks) Focus mode(forms) (6 marks)	The background color of the form input doesn't change when selected or it changes to a color other than yellow.	The background color of some form inputs changes to yellow when selected, but not all.	The background color of most form inputs changes to yellow when selected, with minor inconsistencies.	The background color of all form inputs changes to yellow when selected, with minor exceptions.	The background color of all form inputs changes to yellow consistently when selected.
Dynamic interactivity of website (12 Marks) Hover mode(Buttons) (6 marks)	The background color of the buttons doesn't change when the mouse pointer moves onto them, or it changes to a color other than light blue.	The background color of some buttons changes to light blue when the mouse pointer moves onto them, but not all.	The background color of most buttons changes to light blue when the mouse pointer moves onto them, with minor inconsistencies.	The background color of all buttons changes to light blue when the mouse pointer moves onto them, with minor exceptions.	The background color of all buttons consistently changes to light blue when the mouse pointer moves onto them.