UNIVERSITI MALAYSIA SARAWAK
Faculty of Computer Science and Information Technology

Assignment/Report Cover Sheet

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Subject Code: **TMI2104**		Subject Name: Web-based System Development	
Assignment Title:	Front-end Development	Lecturer:	Ts. Syahrul Nizam
Due Date: 13/05/2022		Date Submitted: 13/05/2022	

This cover sheet must be completed, signed and firmly attached to the front of the submission. All work must be submitted by the due date. If an extension of work is granted, an assignment extension acknowledgment slip must be signed by the lecturer/tutor and attached to the assignment. Please note that it is your responsibility to retain copies of your assignment.

Plagiarism and Collusion are methods of cheating that falls under Peraturan Akademik Universiti Malaysia Sarawak para 11: Etika Akademik

Plagiarism

Plagiarism is the presentation of work which has been copied in whole or in part from another person's work, or from any other source such as the internet, published books or periodicals without due acknowledgement given in the text.

Collusion

Collusion is the presentation of work that is the result in whole or in part of unauthorized collaboration with another person or persons.

Where there are reasonable grounds for believing that cheating has occurred, the only action that may be taken when plagiarism or collusion is detected is for the staff member not to mark the item of work and to report or refer the matter to the Dean. This may result in work being disallowed and given a fail grade or if the circumstances warrant, the matter may be referred to a Committee of inquiry for investigation. Such investigation may result in the matter being referred to the University Discipline Committee, **which** has the power to exclude a student.

Upon placing signature above, I certify that I have not plagiarized the work of others or participated in unauthorized collusion when preparing this assignment.

I also certify that I have taken proper care in safeguarding my work and have made all reasonable efforts to ensure that may work not be able to be copied.

MARK :

UI analysis template

Table 1: Basic elements of Visual Design

No.	Element	Is this element being applied/violated? How?	Severity 0- no issue 1- minor issue 2- major issue (to fix)	Your recommendation to improve
1	Lines	This element is being applied. Gate and fence applied lines element on their website. On the navigator menu.	0	No recommendation
2	Shapes	This element is being violated. No shapes on the website.	1	Shapes are one of the powerful design elements that makes a well-structured design more catchy, appealing and active. The picture of the gate sample can be put in some shapes.
3	Color palette	This element is being violated. Gate and fence did not use color palette on their website.	2	Using a perfect color palette for the website establishes a positive perspective. Certain color schemes can be used to sway people's mood and control how they perceive the website.

4	Texture	This element is being applied. Gates N Fences apply the background texture element in their website which is realistic and subtle texture.	1	Can use Gradients as a background which is trendy and visually engaging. When using gradient as a background texture, it can be used alone or layer it with a photo.
5	Typography	This element is being violated. -Too many characters on each line makes the text difficult to read. -The font size is not standard. -Using red color in writing text.	2	- It should have around 60 characters per line for an enjoyable reading experience. - For a well-structured page, the font size should vary from: • Body Text- Minimum Pt 10 - 12 • Title Text- Minimum Pt 14- 16 • Subheading Text - Minimum Pt 12-14

				- Red colors should be avoided when writing the text as they are the most common colors that are affected by the color-blind state.
6	Form	This element is being violated. No 3D object was found on the web page.	2	When the user clicks on the gate image, it should be in 3D object where the buyer can see the object in more detail.

Table 2: Principles of Visual Design

No.	Principle	Is this principle being applied/violated? How?	Severity 3- no issue 4- minor issue 5- major issue (to fix)	Your recommendation to improve
1	Unity	This principle is being violated. The content is everywhere and not organized.	5	Create an organized web layout using columns and rows, grids, and flexbox.
2	Gestalt (https://www.interaction-design.org/literature/topics/gestalt-principles)	This principle is being violated. The website is not pleasing to the eyes and hard to understand and find what we want at first glance.	4	Need to choose the right color, shapes, and place the elements in the right region.
3	Space	This principle is being applied. There is lack of space for each gate explanation and gates image is near to each other.	4	Need to give some space between each gate explanation. Need to clarify relationship with objects. Need to divide elements without using visible divider.
4	Hierarchy	This principle is being applied but	4	Need to arrange and organize content

		only to navigation bar.		based on priorities and importance.
5	Balance	This principle is being applied but the colors used, and the elements' positions and sizes are not balanced.	3	Need to use the right color scheme, organize the elements in the right positions and make sure the size of the elements are consistent or not too various.
6	Contrast	This principle is being applied. There are some uses of contrast for font. But not clearly visible.	4	Need to check for text readability. Increase some font size. Use HSL colors to improve color contrast.
7	Scale	This principle is violated with images of varied sizes scattered horribly.	5	Making sure images and text are uniform and arranged in an aesthetically pleasing manner.
8	Dominance	This principle is violated. There is no attraction from the elements on the website for the user to focus on.	5	Choose the dominant element and make sure it is in the right size and placement and color so the website will look more interesting.

9	Similarity	This principle is applied. Modern garden gates and privacy garden gates are similar in image and explanation.	4	No recommendation.