Assessment Cover Sheet

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ASSESSMENT DETAILS

Unit title	CREATING WEB APPLICATIONS	Tutorial /Lab Group	Friday (10am)	Office use only
Unit code	COS 10011	Due date	08/04/2021	
Name of lecturer/tutor	Ms. Choo Ai Ling			
Assignment title	Assignment 1			Faculty or school date stamp

STUDENT(S) DETAILS

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(5)		
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Creating Web Application
COS10011

Semester 1, 2022

Student Name	Student ID
Jovin Chong Yu Cheng	101221718

Table of Contents

Assignment 1

1.0 Introduction

My family owns and operates the UFO Café, a home business coffee shop. UFO Café is a well-known coffee shop in Sandakan, Sabah, Malaysia, opening on April 7, 2014. Breakfast, lunch, cakes, and kuih are famous for being sold at highly inexpensive costs. Due to a lack of experience in the world of technology and web design, my mother approached me in the hopes of helping to extend the home business by establishing a food introduction website to boost the visibility of the coffee shop.

1.1 Scope of the website

The website's primary goal is to introduce the food offered through a website with easy-to-use features to prevent misunderstanding when exploring the site. This may be accomplished by simplifying the layout and making it easier to move within the website by including a navigation menu and a site map in the footer. A visually attractive web design is also established to reach a bigger audience and promote the shop's name. This is accomplished by including animations and features that visitors will find enjoyable. To make it easier for them to communicate with the organization. A contact form webpage is added to the website so that customers may contact the shop. As an additional way of communication, social media links are included in the footer.
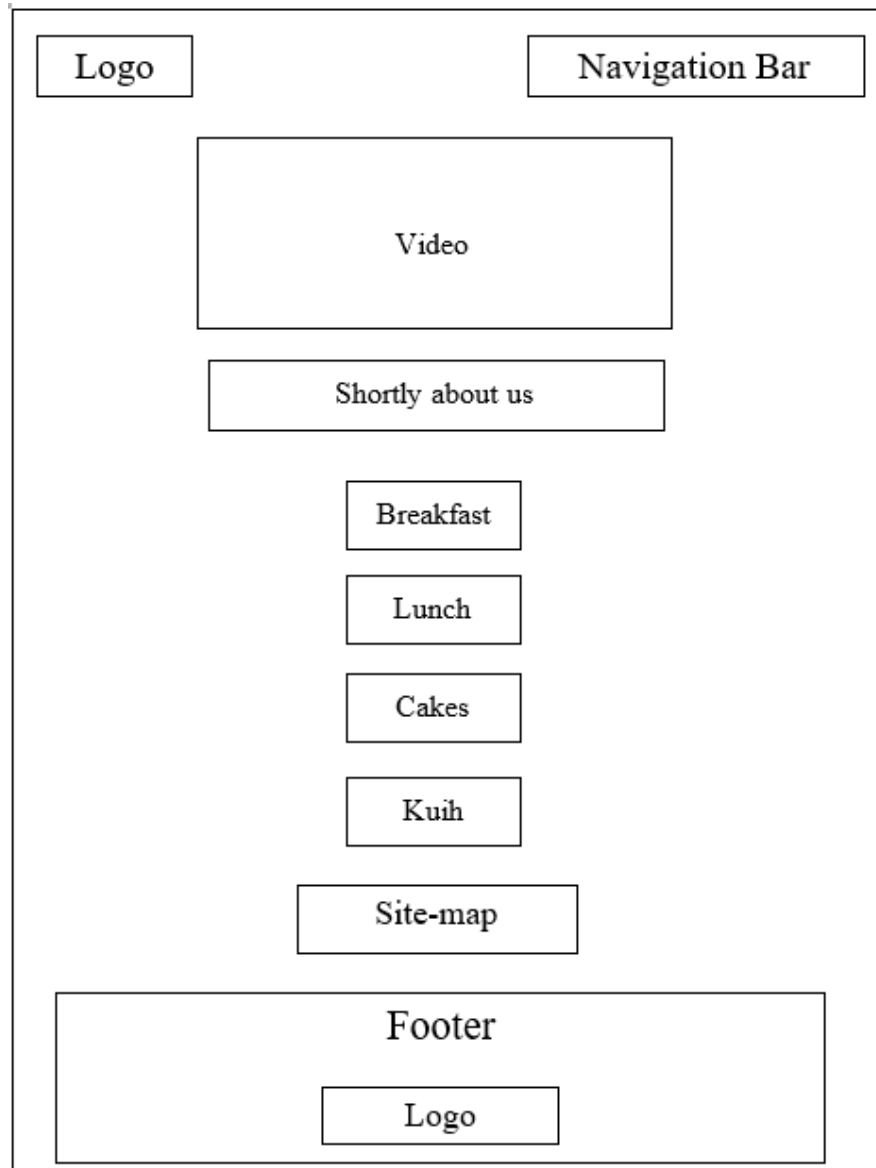
1.2 Intended audience

The target audience for this website is local workers, old folks, and students. The primary goal of this website is to bring low-cost, delicious meals to the intended audience. The website should also be user-friendly, with online usability taking precedence, and give as many descriptions about the foods. As a result, the website's design is not overly intricate, but it does have some intriguing elements to entice consumers.

# 2.0 Webpage Design and Structure

2.1 Website Layout Mock ups

2.1.1 Index.html

The design webpage layout below is applied to the index webpage.

| Logo		Navigation Bar
	Video	
	Shortly about us	
	Breakfast	
	Lunch	
	Cakes	
	Kuih	
	Site-map	
	Footer	
	Logo	

2.1.2 Others HTML Page

The design web page layout below applies to products, breakfast, lunch, cakes, kuih, disclaimer, acknowledgment, enquiry, and enhancement.

Logo	Navigation Bar

Page Title

Contents

Footer
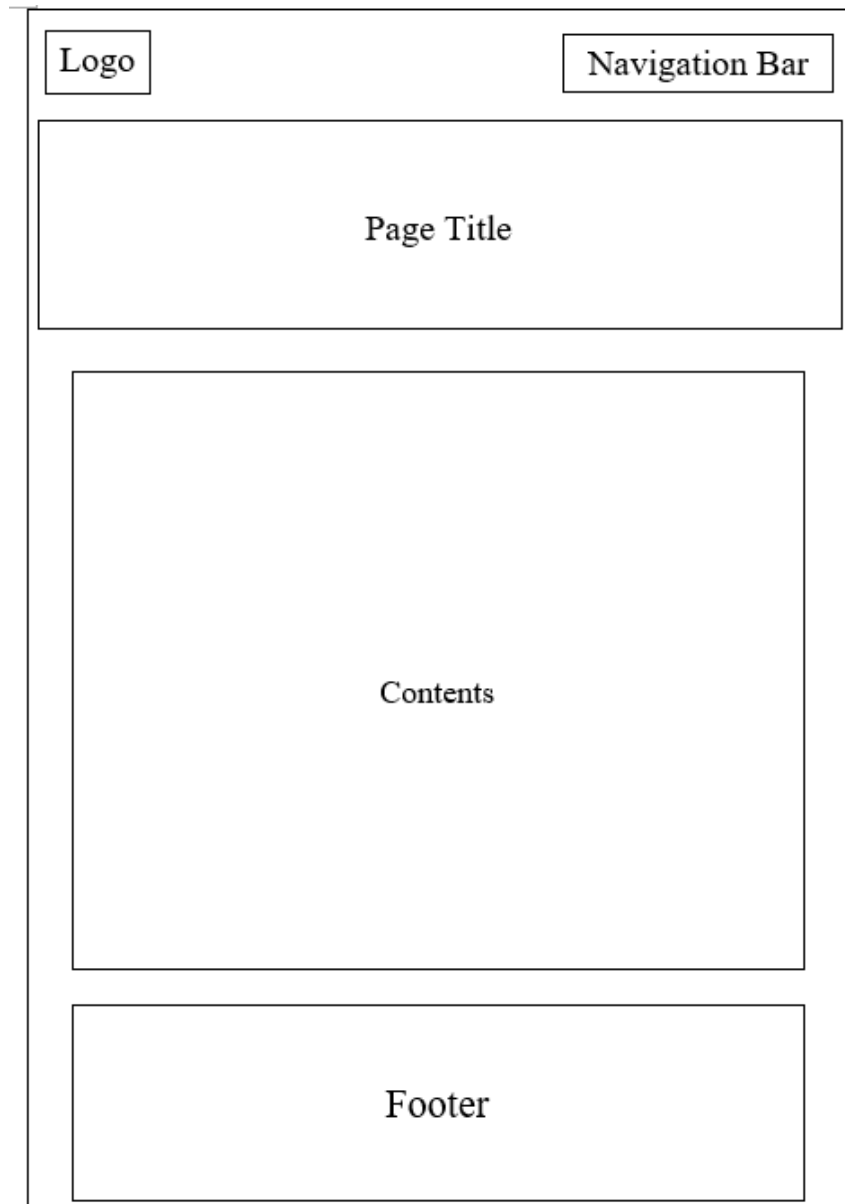
2.2 Website Structure

The website is organized in a hierarchical structure. The index.html file will be the first tier users will see when they visit the website. The second tier of the structure includes pages like products.html, enquiry.html, aboutme.html, disclaimer.html, enhancements.html, and acknowledgement.html. The websites for products.html will have links that will branch out into four other web pages. Hence, the user can navigate and visit a particular web page

through all of them. This makes it easier for users to navigate and access the web pages in a logical sequence. The figure below shows the hierarchical structure of the website.
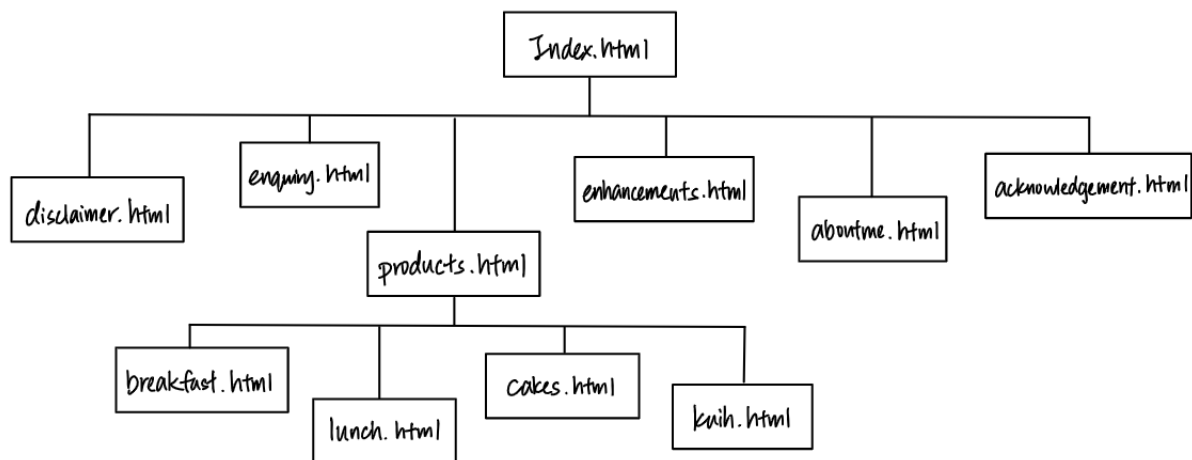

3.0 End Product

3.1 Actual User Interface

3.1.1 Colour

Since the iconic colour of the logo and decoration of the café is red, the web page's colour design will be a combination of red and white that influence the customer's behaviour towards the café. Besides that, only two colours have been used since the limitation of colour selection is five. The colour combinations also increase customer engagement and improve users' website visiting experiences. The figure below shows that the red and white colour-based design is used for simplicity.
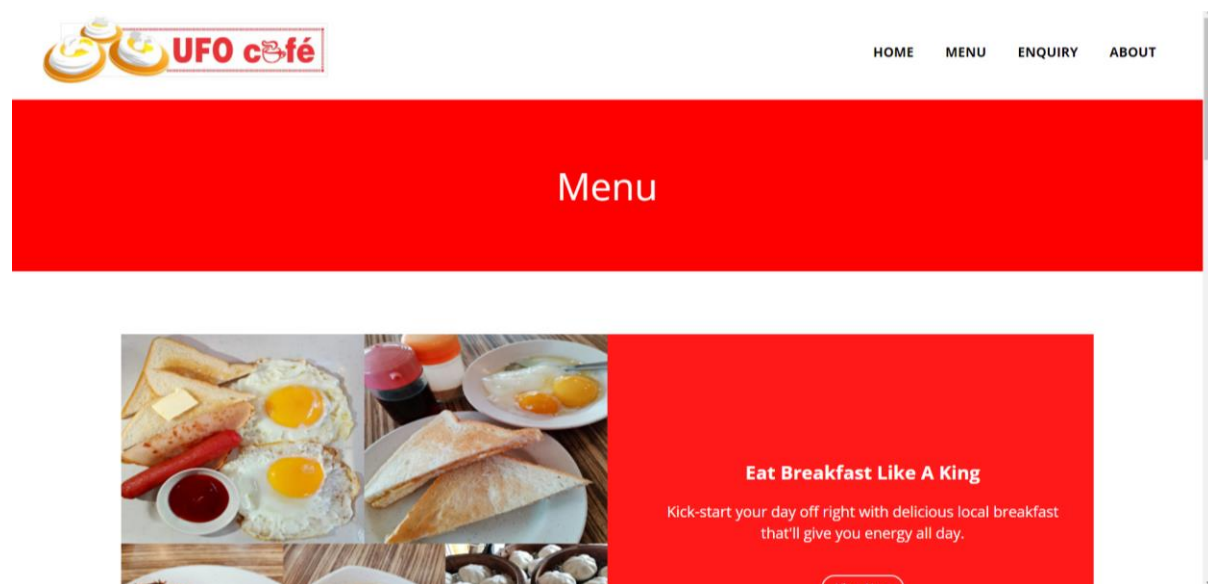
3.1.2 Voice

The voice design evolves to unite the café and meet the intended audience's needs. The volume of competing messages has been turned down to improve users' experience and remove obstacles in the way of visitors finding precisely what they seek. The design creates more space for brand relevance, connection, and joy by using functional and expressive voices. The figure below shows the attractive slogans and descriptions to catch the audiences' eyes.
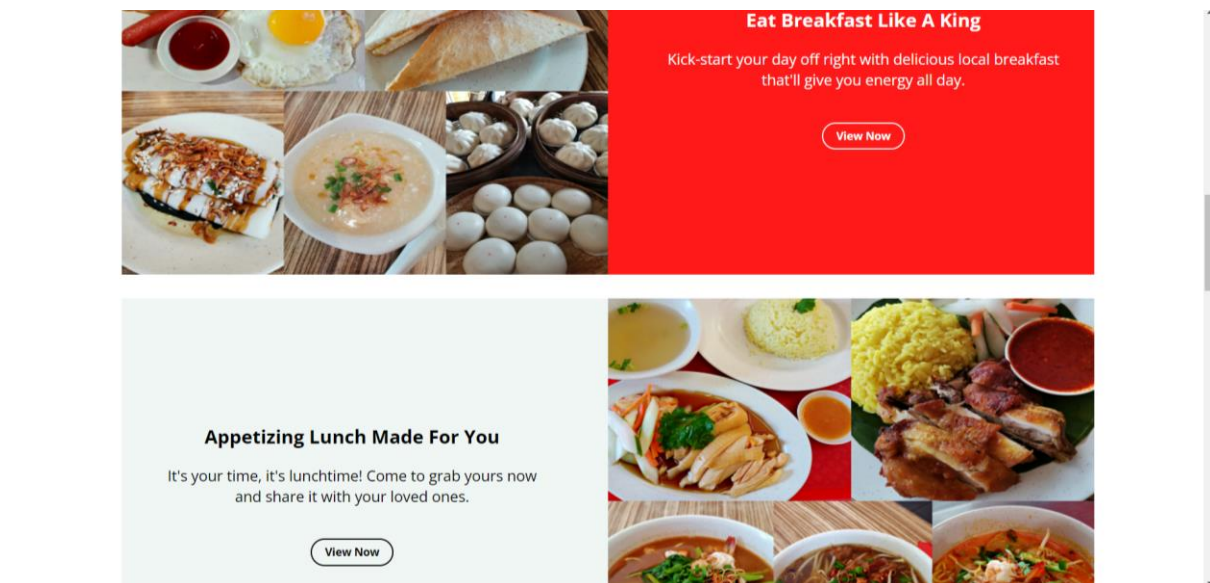
3.1.3 F-shaped Pattern Reading

The F-shaped reading pattern is intended for web users to read text. The F-shaped arrangement corresponds to the human natural reading pattern of left to right and top to bottom. Visitors will initially read the page horizontally, usually along the upper section of the content area, then proceed down the page and read across a second horizontal line, according to the F-pattern. The F-Pattern design aids in the creation of a visual hierarchy and a deliberate flow for directing visitors' attention to specific areas. The figure below shows the F-shaped reading pattern of the lunch menu.

3.1.4 Consistency

The navigation bar is always at the top of the page, the content is in the middle, and the footer is at the bottom of all web pages. The website's header and footer components are the same and uniform throughout the web pages. Aside from that, the logo and navigation bar appear in the same place on every page. Furthermore, all web pages have a red banner title except for the index and about pages. Hence, the visitor gets a feeling of visual identity through the recurrence of elements, which helps them know and identify the website as they move through different links.

3.1.5 Proximity

From the figure below, the white space is appropriately used to implement the principle of proximity and, thus, make a design more visually appealing. There are lots of white space without filling the space as white space guides the user's eyes in the intended direction, creates contrast, and makes a lasting impression. The web page's design is not particularly unique with its content, but the design probably contributes to the heavy traffic it gets in a short period. Hence, visitors can quickly look for the information they want on the web pages.

3.2   Enhancements

3.2.1   Auto-Playing Video

A video element is used with added styles to the CSS to present a video in HTML. Some attributes are added to the tag, such as autoplay, muted, and loop. In CSS, the video is centred on the webpage, and it is adjusted by implementing the margin, padding, and display properties. The figure below shows the auto-playing video on the index.html page.
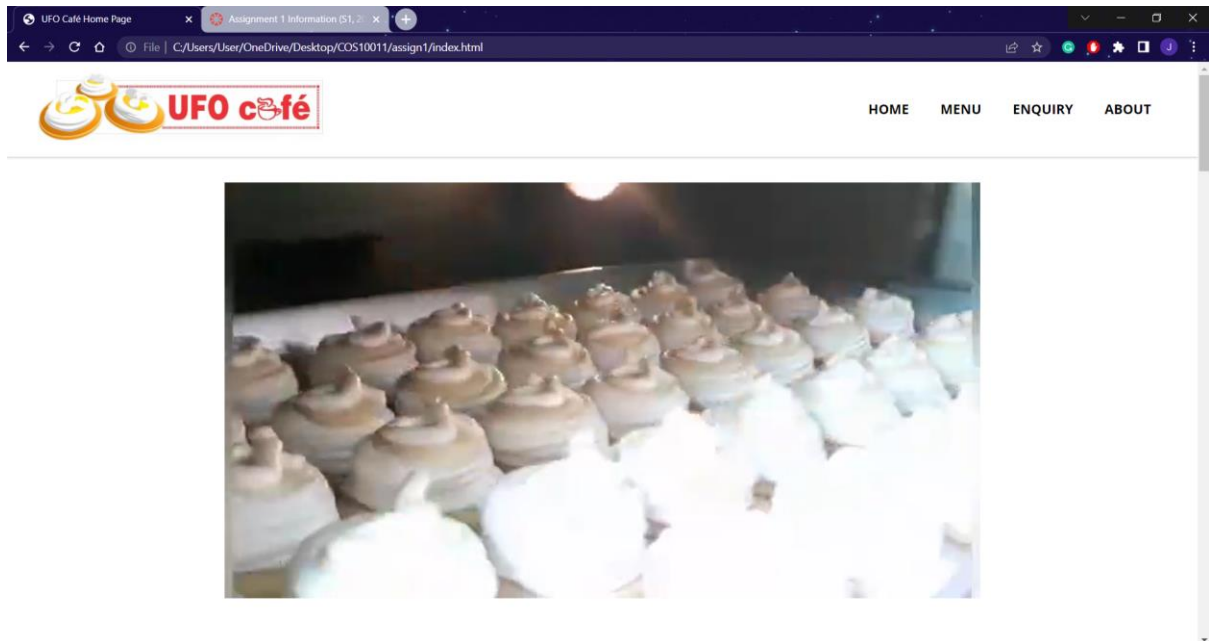

3.2.2   Site-Map

A sitemap is implemented as a fundamental feature of the business website to give visitors to lead them upon finding the business on Google Maps. On Google Maps, the share button is chosen to select the Embed map. It will auto-generate a code of the location to insert in the HTML. The figure below shows the embedded site map of the café on the index.html page.
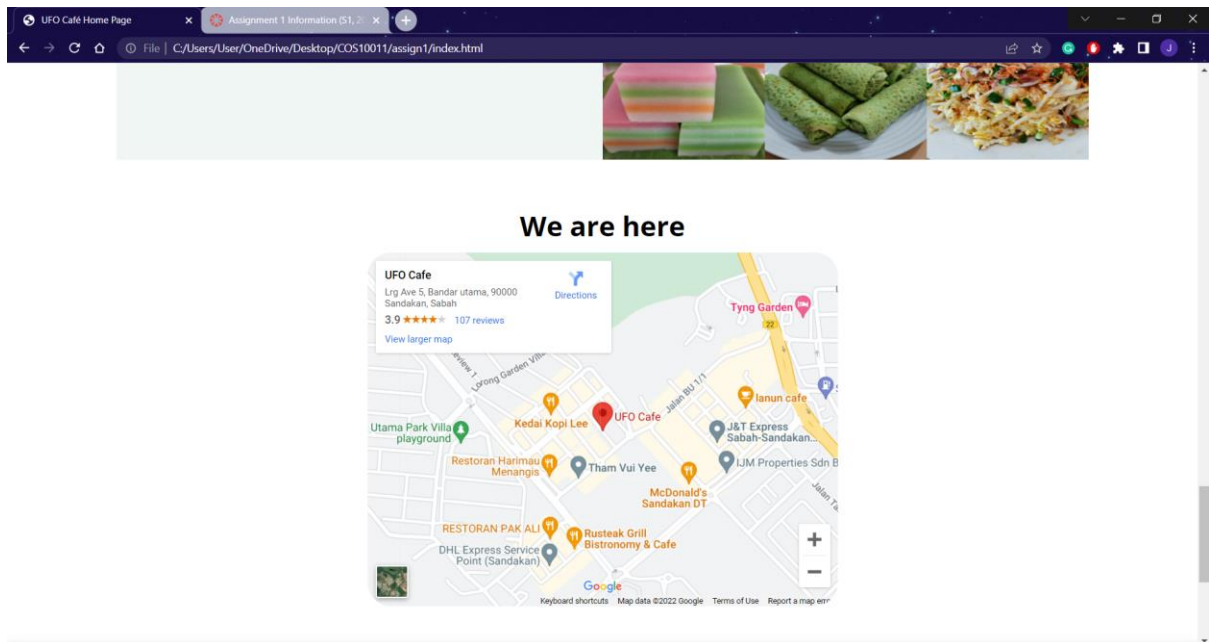
3.2.3 Dropdown Menu

In HTML, a container element div class="dropdown" is used to create the dropdown content and position the dropdown content correctly with CSS.

In CSS, the .dropdown class uses position: relative, which is needed when the dropdown content is placed right below the dropdown button using position: absolute. The .dropdown content class holds the actual dropdown content. It is hidden by default and will be displayed on hover. The min-width is set to 130px, which is the box width of the dropdown. The z-index is used to place the dropdown in front of other elements. The :hover selector shows the dropdown menu when the user moves the mouse over the dropdown button. The figure below shows the dropdown menu to link the breakfast, lunch, cakes, and kuih webpage.
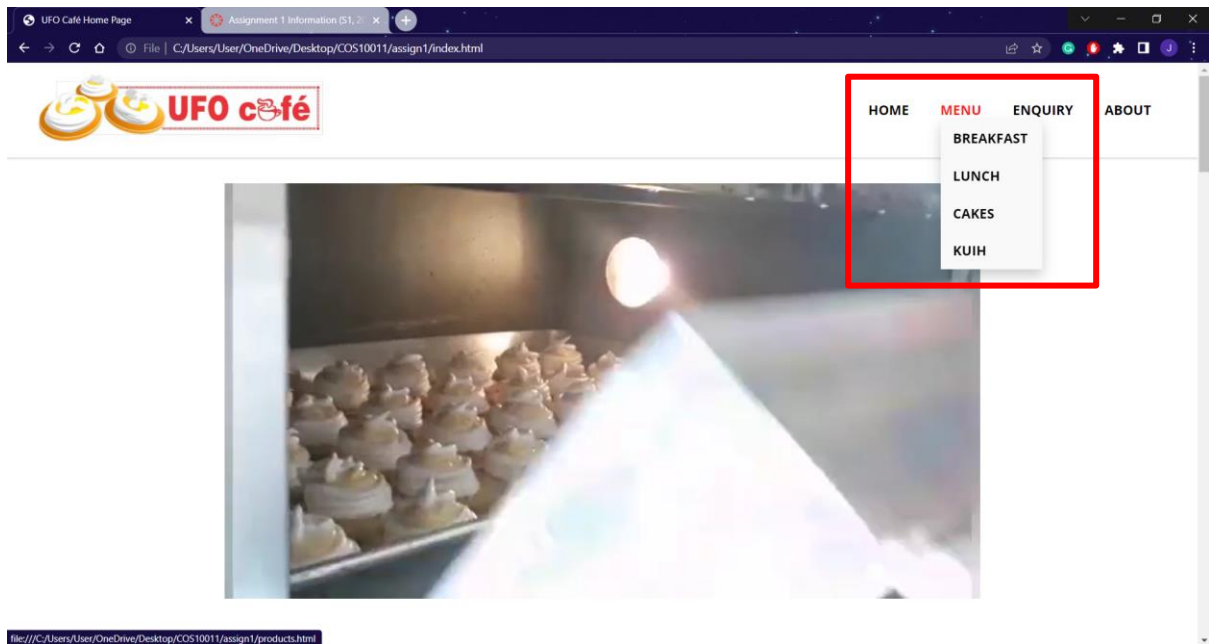
3.2.4   Word Hover Effect

The :hover selector is used to select elements when the visitor mouse over them. It shows the word red in color to tell the visitors what is the selection they are looking at. The figure below shows the hover effect on the word when mouse over them. This helps to identify the choice for the visitors they are pointing at.
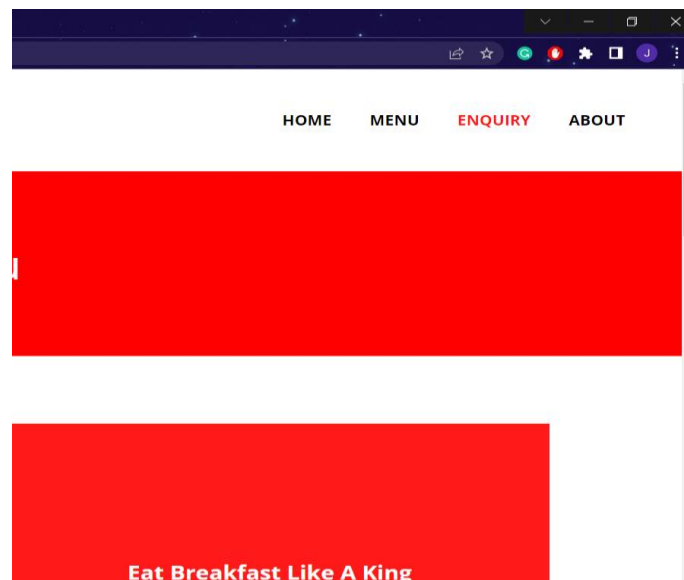
3.2.5 Box Utilities

The boxes are created to attract and give a brief introduction to the visitors about the food in the café. The colour of the boxes is alternating to provide a comfortable view for the visitors. In HTML, a grid container is created, declared as a class called grid-col-2. Besides that, the grid-reversed class is the alternating position of grid-col-2. In CSS, the grid-template-columns: repeat(2, 1fr); is used by using the repeat() notation to create a repeating pattern of tracks. The grid will consist of 1 track with 1/2 of the available space track with two columns. The first-child selector is used for grid-reversed and sets the order to 2. This is to swap the contents and show the alternating display of boxes. The figures below show the boxes implemented in the index.html, products.html, breakfast.html, lunch.html, cakes.html, and kuih.html.
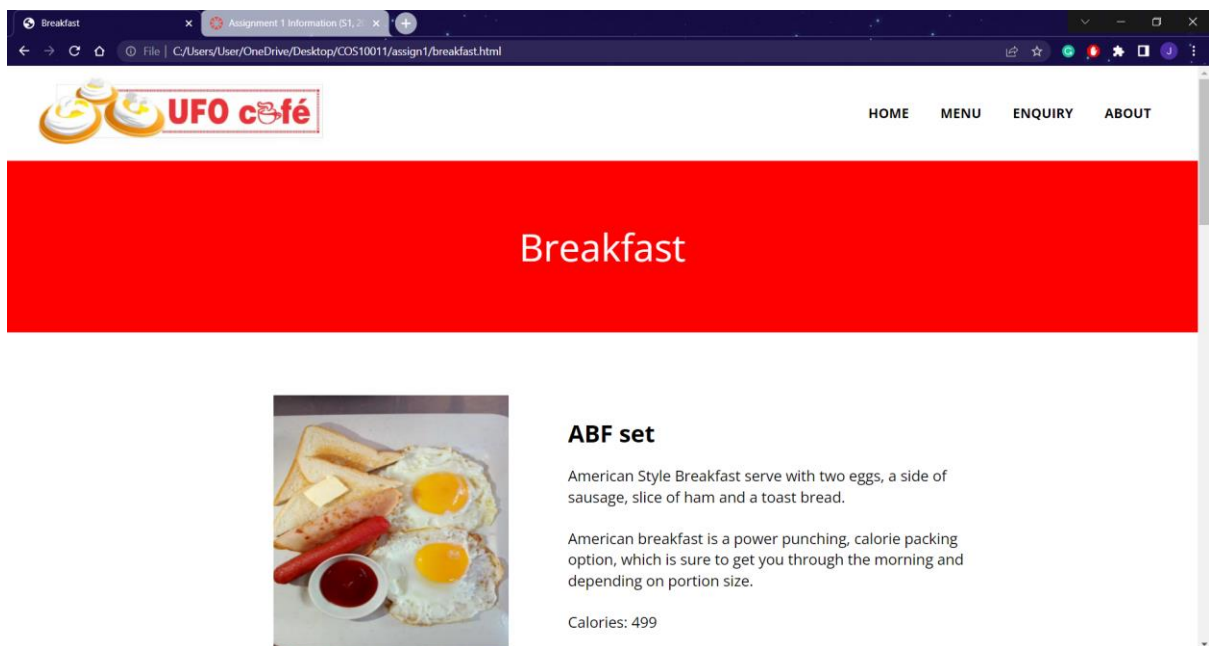
index.html
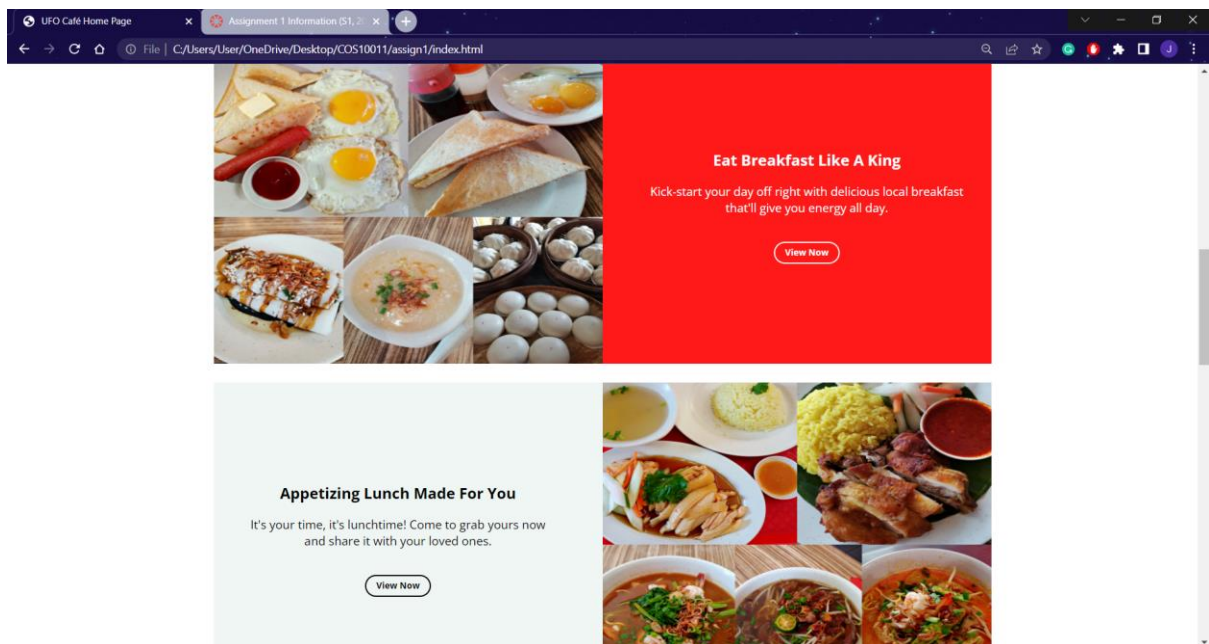
products.html
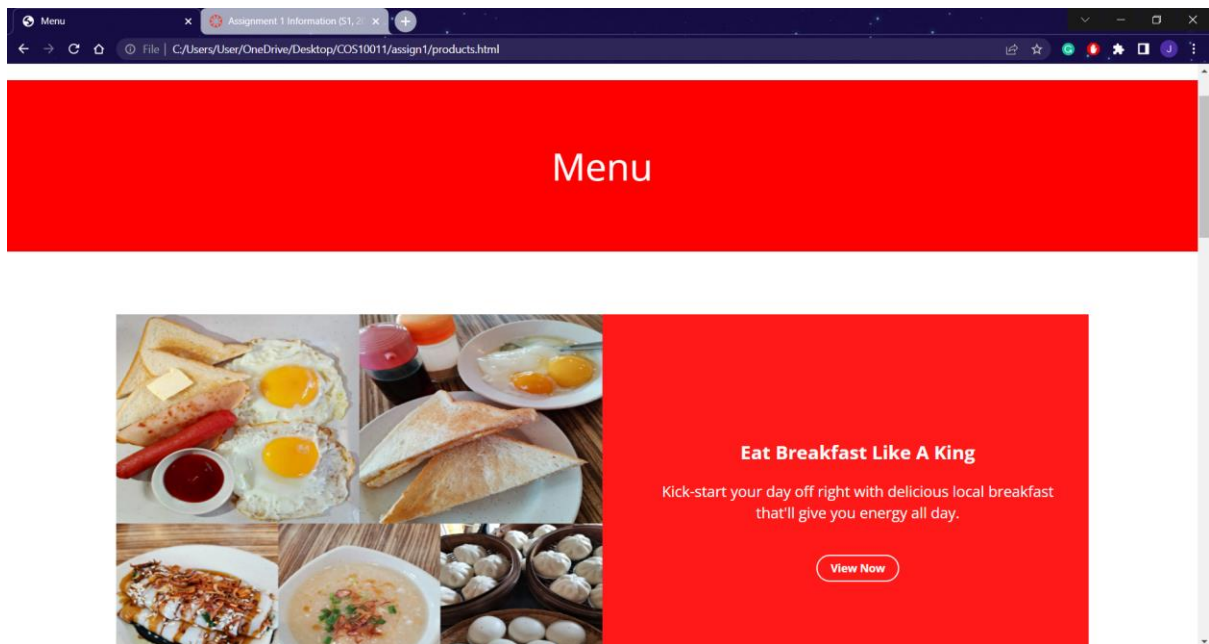
breakfast.html

Assignment 2

1. Description

[Provide brief description on how javascript is applied to the website]

2. End Product

2.1 Enhancements (if any)

[Describe the enhancements if any]

Assignment 3

1. Description

[Provide brief description on how PHP is applied to the website]

2. MySQL database structure/schema

[Prepare a table to show the MySQL database used in the website]

3. End Product

2.2 Enhancements (if any)

[Describe the enhancements if any]