

# COMP804 – ASSESSMENT TASK 3 – ASSIGNMENT 1

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## Directions

The submission deadline is at **11 pm on Monday 19 Aug 2024**.

A submission is marked as late by the Moodle site is considered as a late submission. For late submission assessment, please refer to **Section B: Assessment** of the Subject Outline of COMP804.

The submission 5 days after the due date will receive 0 mark.

## Subject Learning Outcomes

This assignment tests the following learning outcomes of the subject:

- Understand how to use HTML to design a web page
- Apply CSS to make stylish for HTML element
- Use JavaScript to make web page dynamic
- Code and debug JavaScript codes.

## Submission instructions:

- ✓ Create a folder to store all your html files, images, and pdf file.
- ✓ Compress your folder into **YourName\_StudentID\_A3.zip** and submit it via the Moodle site.

## Marking Criteria

- The assignment is marked out of 100.
- There are **5 tasks** and each of them worth **20** marks for coding style and website presentation.
  - **Task 1:** you must use at least 5 different kinds of CSS properties. Each property in the style tag is account for 4 marks.
  - **Task 2:** each required point in the task description worth 4 marks
  - **Task 3:** 10 marks for the table design and content, 10 marks for the use of CSS
  - **Task 4:** 5 marks for html design, 5 marks for displaying required information, and 10 marks for programming with javascript.
  - **Task 5:** create a repository under your github account and upload your website to the repository, and create a hyperlink to the report.



## Requirements

- Develop a **single** web page that **contains all solutions** to the assignment tasks. Put your name and student number as a heading on top of the web page.
- Each question should be clearly separated
- Each question must be labelled clearly with a heading.
- The source code should be well-organized
- Any hyperlinks in your webpage must be accessible

Specifications of each task is below.



## Task 1: Use CSS to display the following information

Display the following information in 3 headers using the **heading tags**:

- Your student number and full name.
- Subject code and subject title.
- Assignment number and assignment due date.

You are freely to choose the content and the style (text colour, the border style, background colour).

The picture below can be an example for you.



## Task 2: Use CSS to style a table

Please have a look at this website [Key dates - University of Wollongong - UOW](#)

Activity	Date
First day to enrol for re-enrolling (continuing students)	21 Nov 2022
Orientation	18 Jul 2023
Lectures Commence (weeks 1-9)	24 Jul - 22 Sep 2023
Last day to enrol / add subjects yourself	04 Aug 2023
Last day to enrol / add subjects with Head of Students approval	11 Aug 2023
<b>CENSUS DATE</b> <ul style="list-style-type: none"><li>▪ Fees due</li><li>▪ Last day to withdraw from subject/s without paying for them</li><li>▪ HECS / FEE HELP debt reporting date</li><li>▪ Last day to change HECS / FEE HELP billing option</li></ul> <a href="#">Learn more about Census date &gt;</a>	31 Aug 2023
Student Services and Amenities Fees Due	01 Sep 2023

Your task is to **use html and CSS** to make a table with similar content and style

- contains the rows as above
- use different color scheme (text colour, background colour) for even and odd rows.
- use different border style
- use different font style
- use different font color
- the hyperlinks in the tables must work properly





### Task 3: HTML & CSS

Your task is to create a table that displays information about 10 kinds of web attacks with the following specification:

- The code must use HTML and some CSS of your choice. You are freely to design the style of the table: text colour, font style, border style, border colour, table size, etc.
- The table must have 2 columns with headings: Name and Web Attacks.
- The table must have 10 rows of data and 1 header row.
- On each row:
  - the 1<sup>st</sup> column contains the attack name, underneath the name display an image related to the attack if there is any; use the width attribute to set the same width for all the vegetable images;
  - the 2<sup>nd</sup> column contains: at least 3 sentences providing an overview about this kind of attack, underneath that display a link to a webpage that contains information about this attack (*must put references to the sources of the information*).

The picture below is a sample table for you (*please note that it is not a perfect result*)

Name	Web Attacks
<p>SQL Injection</p>  <p>Source: <a href="https://securitytutorials.co.uk">https://securitytutorials.co.uk</a></p>	<p>Description of SQL Injection attack</p> <p><a href="https://www.tripwire.com/">https://www.tripwire.com/</a></p>
<p>Cross-Site Scripting</p>  <p>Source: <a href="https://websitesecuritystore.com/">https://websitesecuritystore.com/</a></p>	<p>Description of Cross-Site Scripting attack</p> <p><a href="https://websitesecuritystore.com">https://websitesecuritystore.com</a></p>



## Task 4: Javascript with button

The program must include: 3 buttons, a text field, message and the image.

Display 3 **buttons** “Cat”, “Dog” and “Frog” on one line.

Display a **text field** on the next line.

Whenever the “Cat” button is clicked, the following will happen at the same time:

- The “Cat” button is marked/highlighted and NO other button is highlighted; the button is highlighted with any style to make it different from the other buttons and we can know that the “Cat” button is currently clicked
- Under the buttons, a text field displays a message “User clicks Cat”;
- Under the text field, display the message “Cat is clicked”;
- Under the message, a picture of a cat is displayed. And NO other text or images are displayed.



Similarly, there will be the same settings for “Dog” and “Frog” buttons when each of them is clicked.

The other buttons should work in a similar manner.

***Note:** you are freely to choose the button name and the image and accordingly change the message displayed when the button is clicked. The references to the image sources need to be shown on your webpage.*

## Task 5: Github repository

Following the instruction in week 3 content to create your github account. Under the account, create one repository to store your website that is created in Tasks 1-4. Then, using git commands to upload the source code of your website to the repository. The repository needs to be accessible for marking.

For each successful execution of the git command, you need to take a screenshot and put it in a report. The link to your repository must be included at the end of the report.

In your webpage, create a hyperlink to the report. So, whenever the link is clicked, the report will be displayed.

