



FACULTY/COLLEGE		College of Business and Economics	
SCHOOL		School of Consumer Intelligence and Information Systems	
DEPARTMENT		Applied Information Systems	
CAMPUS(ES)		APB	
MODULE NAME		Development Software 2A	
MODULE CODE		DSW02A1	
SEMESTER		First	
ASSESSMENT OPPORTUNITY, MONTH AND YEAR		Graded Lab 2 16 March 2022	
ASSESSMENT DATE	16 March 2022 @ 15:00	SUBMISSION DATE	16 March 2021 @ 23:59
ASSESSOR(S)	Mr. Ronny Mabokela		
DURATION	7 hours	TOTAL MARKS	30
NUMBER OF PAGES OF QUESTION PAPER (Including cover page)			2

**INFORMATION/INSTRUCTIONS:**

- ✓ Read instruction carefully to avoid making mistakes.
- ✓ This is an open-book assessment.
- ✓ There are 2 questions and answer all questions.
- ✓ Submit the necessary files (xxx.html, xxx.js, xxx.css) for the codes.
- ✓ Read the questions carefully and answer only what is required.
- ✓ Make sure that your submission is in a zipped.

**QUESTION 1****(HTML+ CSS)****[15 MARKS]**

Validate your HTML pages. Use the HTML validator at <https://validator.w3.org/> Here you can upload your page as a file, and automatically get comments and errors, if any. Make sure there are no errors or comments on your pages.

- 1.1. Use the HTML and CSS concepts you learnt in during class and lab session to build a webpage that displays “Your Full Name” with font size 20 pixels, bold format, in “Arial Narrow” font and Blue in colour using inline CSS, embedded CSS and external CSS.
- 1.2. Create a website using HTML + CSS that displays your timetable and applies the following effects to the table:
  - For the table header apply orange colour as the background colour and white for the colour of the text in the table header.
  - Display day of the week as (Mon, Tue, Fri) in bold format with the first letter in the day name in uppercase.
  - Display the times which each module is allocated, and the venue as shown on the timetable.
  - Assume that you have four (4) modules need to show all your modules together with the module code.
  - Display lunch slightly in bigger font other than the remaining text.
- 1.3. Using tables and other appropriate HTML elements, create a webpage to handle personal facts such as name, class, credentials, photo, address, and so on. Use the following stylistic guidelines:
  - Display the heading of the page in Times New Roman font and with 24px size.
  - Align all field names in the table, such as Name, Class, Photo, and so on, to the right.
  - Use light grey as the background colour for the left side cells in the table that include field names such as Name, Class, and so on.
  - Display your university logo as a background image in the top right corner of the web page as well.

**QUESTION 2****(HTML + JS)****[15 MARKS]**

Use this exercise to develop the JavaScript code that will accompany the following HTML code so that when a user clicks the Delete button, any button with a text value that is divisible by the number put in the text field gets deleted from the webpage. You may select any positive number from one to infinity.

The behaviour should be as follows:

- You may assume that a valid number has been typed in the text field.
- Zero cannot be used as an option to the program.
- No negative number must be allowed in the system.
- Style your HTML with a good CSS colour of your choice.

**Use the HTML code below:**

```
<div id="controls">Divisible by: <input type="text" id="divisor" />
<button id="del">Delete</button>
</div>
<div id="buttons">
Click a button:
<button>11</button> <button>22</button>
<button>34</button> <button>42</button>
<button>50</button> <button>63</button>
<button>71</button> <button>85</button>
<button>94</button> <button>103</button>
<button>94</button> <button>224</button>
<button>94</button> <button>250</button>
</div>
```

The HTML code give above shows the follow of the initial webpage prior to the deletion process and you may consider testing this by typing 2 into the text field and pressing the button Delete. See the display the values that are deleted.