

COMP.5210

Web Application Implementation

Project

Assignment 2 – Semester 1 2019

Due Date: 12pm Friday 1 Nov 2019

Weighting: 40%

Marks: 80 marks

Aim:

Add responsive design and data validation features to the client site that was created in Assignment 1. Access form data and print to page using a script.

Learning outcomes covered:

1. Select an appropriate software development paradigm.
2. Use software development standards to implement a user interface.
3. Install and configure a web-based solution using web scripting.
4. Initialise system data.

Task Outline

In this assignment there are four tasks to complete.

Task 1 : Responsive Design

According to some [sources](#) by 2025 72% of people will use only use a smartphone to access the internet. In this task you need to ensure that you have applied responsive design techniques to ensure that your client website displays well on a mobile device.

- Alter your code to ensure your client site is responsive
- Add comments to your code to identify and describe responsive features
- Provide screenshots of your site on, phone, tablet and desktop.

Task 2 : Data Validation

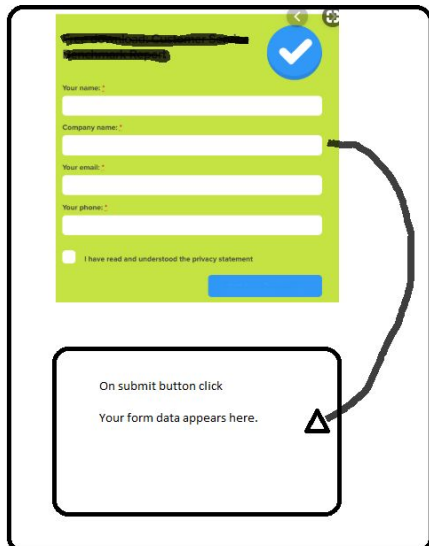
The purpose of data validation is to ensure that data gathered over the internet is clean, correct and useful. You need to validate the data entered on your form using javascript. You need to customise the content and format of your validation messages.

- Use javascript to validate the data in the client site web form when the submit button is pushed.
- Include custom error messages with appropriate formatting
- Comment your code to clearly show where you have done this.

Task 3: Data Collection and Display

The basis of most web applications is the collection, storage, manipulation and display of data. In this paper you are not required to send the form data elsewhere, however, you are required to write code to access it and display it on your web page.

Use javascript to display the data entered into the form on the client web page on the page itself below the form when the submit button is pushed. The data should be formatted in a style that is appropriate and consistent with the site design.



- Write a javascript method to read data from the form and display it on the page below when the submit button is clicked. Include a screenshot as evidence.

Task 4: Code Validation and Content

Your code needs to be validated using W3C or any equivalent HTML & CSS code validator and you need to provide screenshot evidence of the validation.

You need remove Lorem Ipsum and replace it with appropriate content where possible.

COMP.5210 Assignment 2 Marking schedule:

TASK	0	1	2	4
Responsive Design	Not responsive	Pages only	Pages, images	Pages, images, text, commented code
Form Validation	No validation	Javascript validation	Customised messages and format	Js file separation code commented
Form data printed to page	No result displayed	Just display output	Display styled using CSS and responsive	Display appropriate to match site, code commented
Code Validation and Content	No evidence of code validation or content inclusion	No evidence code validation some content added	Evidence of code validation provided, Most content added	Screenshot showing clear evidence of code validation, No lorem ipsum appropriate content added
General fitness for purpose	Tasks incomplete, no documentation or, product and many code errors	Tasks somewhat complete, some documentation, product incomplete	Tasks and documentation mostly complete, code acceptable	Task completed to industry standard, including final product, documentation and code