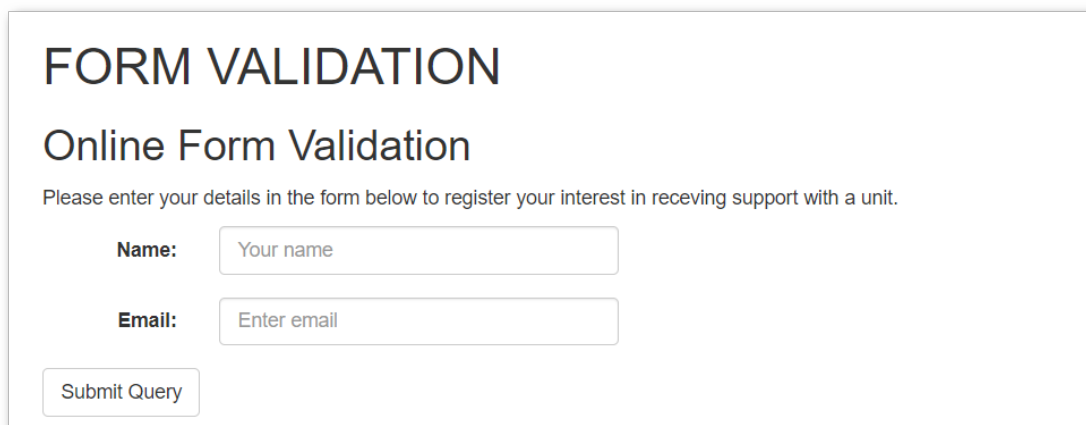# 7.3C: Form Validation

Tasks

You are required to complete the following tasks using JavaScript:
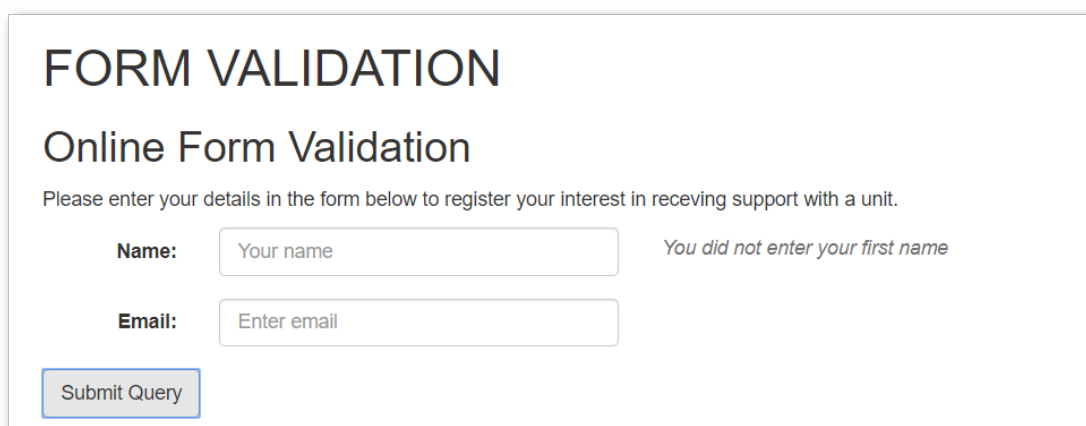
1. Create a web page that contains a form like the one below.

Task7.3.1 Initial Form Prompts

2. Start with a simple script to check that the fields have not been left blank. If the fields are left blank, an error message should be displayed beside the fields (as shown below).

Task7.3.2 Error message on empty field

3. Extend the script code to check that the email must contain the pattern `@deakin.edu.au`, i.e., the input `mick@gmail.com` would be invalid! (as shown below).

Task7.3.3 Invalid email address message

4. Extend the form to also request a *UNIT CODE* and *Phone Number*. The script code should check the following criteria:

   ○ The *UNIT CODE* must have a length of 6 **and** the first 3 characters must be **letters** and the last 3 characters must be **numbers**
   ○ The *Phone Number* must be exactly 10 digits in length.

   An example of the output is shown below:

Task7.3.4 Unit Code & Phone Number Errors

5. Add a *RESET* button into the form as shown below.

Task7.3.5 Complete Form with Reset Button

6. Extend the script to check the entered phone number contains only digital numbers. If there is a character in it, the error message must show that character (like the example below).

Task7.3.6 Additional Phone Number Error Check

Hints

- In *Bootstrap*, investigate the `form-text text-muted` class styles within a form.

- Review the various methods/functions available to work with *JavaScript Regular Expressions* for matching patterns in strings:

    - https://www.w3schools.com/js/js_regexp.asp
    - https://www.w3schools.com/jsref/jsref_obj_regexp.asp

What will you submit?

You should submit:

- Screenshots (similar to the above examples) of the web page.
- HTML file of the web page with JavaScript.