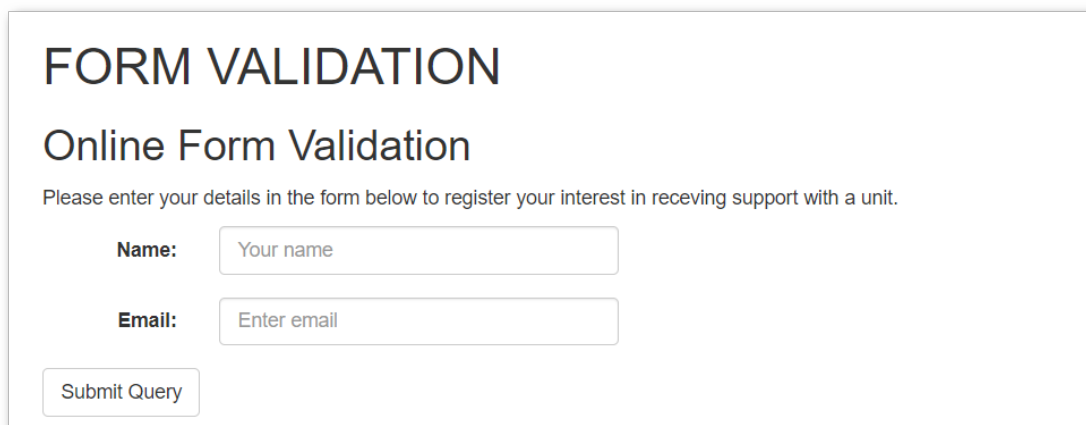


7.3C: Form Validation

Tasks

You are required to complete the following tasks using JavaScript:

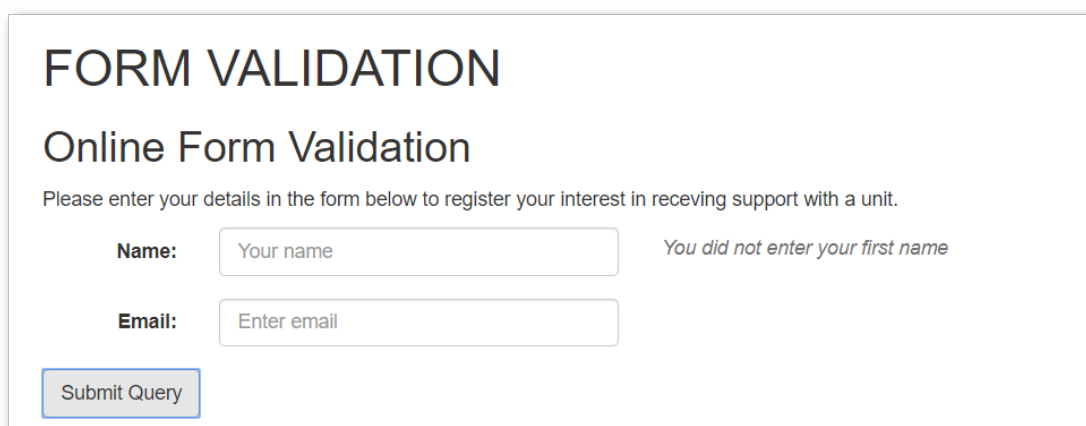
1. Create a web page that contains a form like the one below.



A screenshot of a web form titled "FORM VALIDATION" with the subtitle "Online Form Validation". Below the subtitle is a prompt: "Please enter your details in the form below to register your interest in receiving support with a unit." The form contains two input fields: "Name:" with the placeholder text "Your name" and "Email:" with the placeholder text "Enter email". At the bottom left is a button labeled "Submit Query".

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).



A screenshot of the same web form as in Task 7.3.1, but with an error message. The "Name:" input field is empty, and to its right, the text "You did not enter your first name" is displayed in a smaller, italicized font. The "Email:" input field still has the placeholder "Enter email". The "Submit Query" button is at the bottom left.

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).

FORM VALIDATION

Online Form Validation

Please enter your details in the form below to register your interest in receiving support with a unit.

Name:

Email: *Must be your deakin email '@deakin.edu.au'*

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:

FORM VALIDATION

Online Form Validation

Please enter your details in the form below to register your interest in receiving support with a unit.

Name:

Email:

Deakin Unit: *Unit code MUST be in format 'ABC123'*

Phone: *Phone number must be exactly 10 digits*

Task7.3.4 Unit Code & Phone Number Errors

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

FORM VALIDATION

Online Form Validation

Please enter your details in the form below to register your interest in receiving support with a unit.

Name:	<input type="text" value="Your name"/>	<i>You did not enter your first name</i>
Email:	<input type="text" value="Enter email"/>	<i>Must be your deakin email '@deakin.edu.au'</i>
Deakin Unit:	<input type="text" value="Unit Code"/>	<i>Unit code MUST be in format 'ABC123'</i>
Phone:	<input type="text" value="Phone Number"/>	<i>Phone number must be exactly 10 digits</i>

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).

FORM VALIDATION

Online Form Validation

Please enter your details in the form below to register your interest in receiving support with a unit.

Name:	<input type="text" value="Mick Hobbs"/>	
Email:	<input type="text" value="mick@deakin.edu.au"/>	
Deakin Unit:	<input type="text" value="SIT123"/>	
Phone:	<input type="text" value="0352273q42"/>	<i>Contains character 'q'. Numbers only!</i>

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.