Exercise 6 – Forms

Objective

In this exercise, we are going to build a course booking form for our training provider website.

Exercise Instructions

Part 1 – HTML5 controls and validation

HTML5 form tags offer some great functionality for web development, including client side validation without JavaScript. You will now build a form to test this functionality.

1. Open registration.html from the starter folder.
2. Create a form, where you currently see the <!-- insert form here-->.
3. Create the first fieldset and give it a legend with "Your Details" as the text.
4. Using <label> and <input type="text"> elements add user input fields for the following details:
   i) First name
   ii) Surname
   iii) Position / Role
5. In the starter file, we have some pre-made styles for us to utilise. Wrap everything within this fieldset in an unordered list and wrap each label/input pair in a list item. You'll see the styling impact that has on our form.
6. Let's add some HTML5 functionality to our form. Add the attribute autofocus to the 'first name' field, save the file and test it in your browser.
7. Pretty nifty right? Next, we make it a mandatory field with a required attribute and test it by trying to submit the form. Create a new fieldset at the bottom of the form with a submit button.
8. Inside the first fieldset, create a new list item and within it add another label/input pair.
9. Give the input a name, id and type of "email".
10. Add a placeholder attribute with a value of "you@domain.com" and a required attribute. Placeholder provides a text message for users to inform them what should go into that control. As soon as the user types into the control, the text will disappear, again this enhances the user experience with almost no additional work from us.

11. What would happen if the browser does not support this new HTML5 attribute?

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12. Repeat once more, adding an input of type tel with a name and id of phone. Once again make it mandatory and add a placeholder with a value of "E.g. +447500000000".
    What impact does the tel type have?

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13. Test your form. You should find that you are unable to submit it without entering in the correct type of data for both the email and phone number fields you created.
14. That has given us a good basis for our form. Let's now take the details of the course our customer would like to book.
15. Create a new fieldset for "Course Details" before the fieldset which contains the submit button.
16. Using the same list structure in the previous fieldset, create a select element which has the following options:
    i) Programming with JavaScript
    ii) Developing Web Applications using HTML5
    iii) Developing Responsive Websites
    iv) Leveraging the Power of jQuery
17. Add a suitable input for "Number of delegates".
18. Finally, create an input with an id, name and type of "date".
19. Test your form in multiple browsers. You may find your number input element renders slightly differently in different browsers and you should find a date picker UI in those browsers that support the date input type, and a text field in those that don't.