

## Lesson 6: Exercise

You work for a firm of publishers who publish specialist magazines the titles of which are:

- PHP Today
- Real JavaScript
- MVC Frameworks Today

At the moment, the company's web site is just a static HTML site with no user interaction.

Your boss has just told you that he wants potential readers of the magazines to be able to take out a subscription/subscriptions online. To facilitate this, he wants you to add a subscription page to the site. The page should collect the following information:

- Subscriber's details:
  - Title (mandatory)
  - First Name (mandatory)
  - Middle Names
  - Last Name (mandatory)
  - Home address (split into address lines, with the first line and postcode being mandatory)
  - Telephone number (landline or mobile)
  - Email address (mandatory)
  - Confirm email address (mandatory)
- Subscription details:
  - Which magazine(s) – at least one must be chosen
  - Delivery address (if different from home address). The page should contain a checkbox that the user will check to indicate that the home address should be used – otherwise the delivery address is mandatory. You may want to show the delivery address form only if the checkbox is checked.
  - Requested subscription start date

The form should check that all mandatory details are supplied and that all supplied details are valid.

For the email address it will be sufficient to check that the address is of the form “any characters followed by an @ sign followed by any characters, a full stop and then more word (not special, except for further, possible, full stops) characters up to the end of the address”.

The email address and confirmation should match.

The postcode must be a valid UK postcode. Phone numbers should contain only digits and spaces, start with a zero or +44 and be the correct length for a UK phone number when the spaces are

discounted. Only digits should be submitted in the POST data (i.e. any leading '+44' should be replaced with '0' and all spaces should be removed).

The form will submit via POST to a PHP page that will then call PayPal (but you only need to pretend – by submitting to a simple html page). The PHP page expects the date submitted to be in the form YYYYMMDD: the international date format. But you may wish to display the date on your form in a more user-friendly way. To this end you might like to consider whether you will allow your users to enter a date manually, without using the datepicker; and if so, how you will manipulate a manually entered date to get it into the required format.

You should use JQuery to do your validation and JQuery UI to perform styling. In particular, you should add a datepicker to the input field for the subscription start date. You should theme your elements using a custom theme downloaded via JQuery UI ThemeRoller, downloading only the elements you need, which will include:

- datepicker
- button
- other elements at your discretion (e.g. you may use dialogs for help text, or JQuery UI error message elements if validation fails, or tooltips for example on your form items)

The form should work even if the user has JavaScript disabled. You can assume that the PHP page to which the form is submitted will check the data, although you are not expected to implement this.

Your pages should be valid HTML5 and CSS3.