

HTML 5 Forms

HTML forms are the most common method of input from a person using a website. What happens is that data entered is submitted to the server for processing in some way.

Examples are a simple form like the Google search box, a Facebook login or a more complex Registration/Sign-Up form or on-line survey. The form can look quite simple but what goes on behind the form can be very complex.

A form can contain input elements like text fields, checkboxes, radio-buttons, submit buttons and more.

A form can also contain select lists, textarea, legends, and label elements.

The HTML `<form>` element defines a form that is used to collect user input

- The `<form>` element must have an **action** and a **method** defined.
 - The **action** defines the action to be performed when the user clicks the submit button – typically this could be a server side script for processing input data. It could also be `mailto:` which will send the form content to a specified email address.
 - The **method** could be either **post** or **get**. (For the moment you will use **post** – this is the most commonly used method and should be used if there is any sensitive data within the form)
- Every form must have at least one `<input>` field for data entry
 - Every form must have one `<input type="submit">` so the form can be processed

A simple form

```
<form action="searchResults.php" method="post">
    <input type="search" name="productSearch">
    <input type="submit" name="searchBtn">
</form>
```

In the example above, the form data is sent to a page on the server called **"SearchResults.php"** which contains code to process the data and give a response.

- The **<input> element** is the most important form element.
- The **<input> element** can be displayed in several ways, depending on the type attribute, to see the list of type attributes:

http://www.w3schools.com/html/html_form_input_types.asp

- Each input field must have a name attribute to be submitted.
 - If the name attribute is omitted, the data of that input field will not be sent at all.

1. Simple form with added styling and demonstrating REQUIRED

```
<form class="searchStyle" action="http://codetest.eu5.net/replytoform.php" method="post">  
  <input type="search" name="productSearch" class="formField" required>  
  <input type="submit" name="searchBtn" class="formSubmit">  
</form>
```

2. Form demonstrating different INPUT TYPES and PLACEHOLDER text

```
<form class="registerForm" action="http://codetest.eu5.net/replytoform.php" method="post">  
  
  <input type="text" name="fn" placeholder="First Name" class="formField">  
  <input type="text" name="ln" placeholder="Last Name" class="formField" required>  
  <input type="email" name="email" placeholder="Email Address" class="formField" required>  
  <input type="password" name="password" placeholder="Password" class="formField" required>  
  <input type="date" name="dob" placeholder="Pick A Date" class="formField">  
  <input type="color" name="colour" placeholder="Pick a Colour">  
  <input type="submit" name="submit" value="Sign Up" class="formSubmit">  
  
</form>
```

TASK 1

Code up forms 1 and 2 in an HTML page

Use and adapt the CSS below to style the forms

Test them out

Add a form to the contact page of Dignans website

Style the form on the Dignans web page

Use the following CSS to help with styling:

```
.searchStyle {
  display: flex;
  justify-content: center;
}

.registerForm {
  margin-left: auto;
  margin-right: auto;
  width: 60%;
  display: flex;
  flex-direction: column;
  align-items: center;
}

.formField {
  padding: 10px;
  font-family: Verdana;
  margin-bottom: 20px;
  width: 300px;
  text-align: center;
  margin-top: 5px;
}

.formSubmit {
  padding: 5px;
  font-family: Verdana;
  font-size: 1em;
  margin-bottom: 20px;
  width: 100px;
  text-align: center;
  background-color: cornflowerblue;
  color: #fff;
  margin-top: 5px;
}

input::placeholder {
  font-family: Verdana;
  color: lightgray;
  font-size: 1.2em;
}
```

TASK 2

Try and recreate the following forms:

(a)

Create account

Your name

Email

Password

i Passwords must be at least 6 characters.

Re-enter password

Create account

Your name

Email

Password

i Passwords must be at least 6 characters.

Re-enter password

(b)

☒ Return ☐ One way ☐ Multi-city

From	To	Depart	Return	Cabin Class & Travellers
Glasgow (Any)	<i>Country, city or airport</i>	21/09/2019	28/09/2019	1 adult, Economy

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