

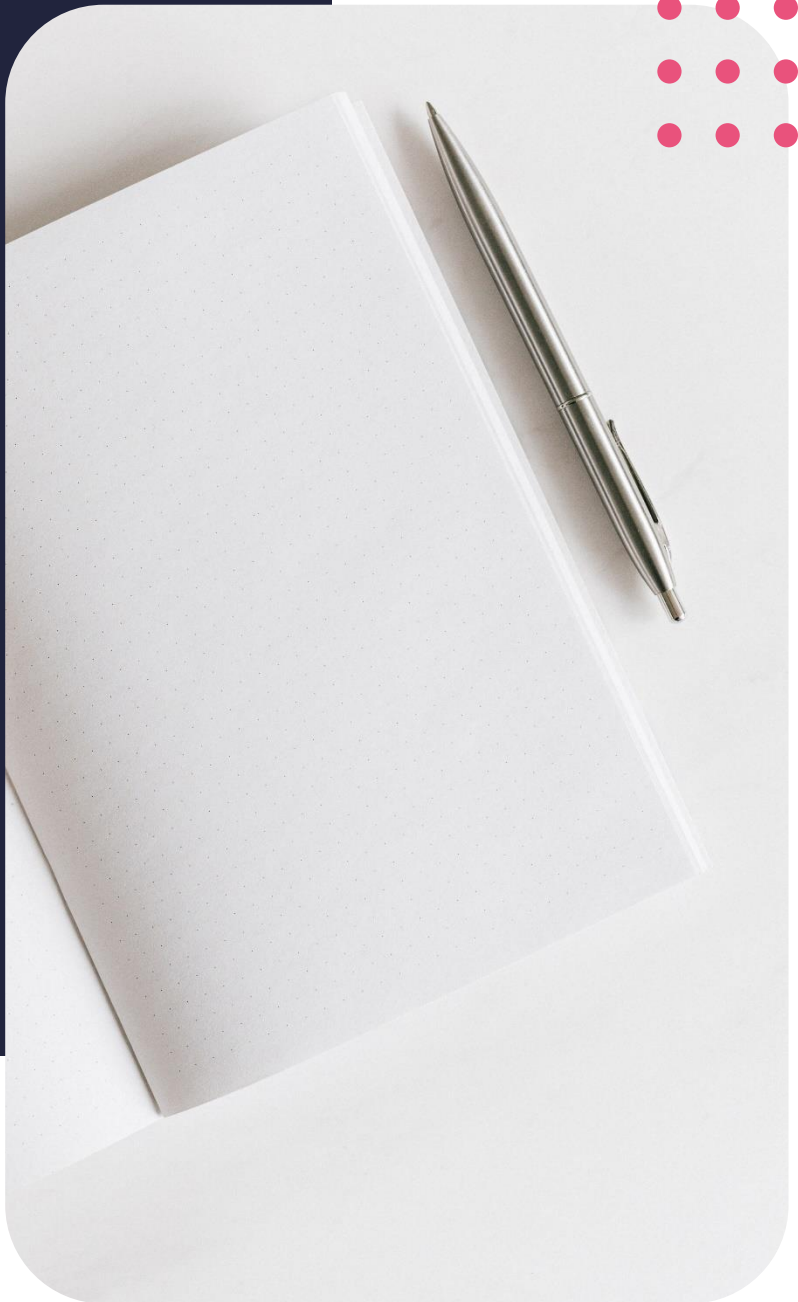
Diploma Web Development

HTML inputs



Contents

- 3 Working with HTML input types
- 4 Creating HTML forms
- 6 Practical session source code



Lesson outcomes

In this lesson we delve right into HTML inputs and forms. These elements allow us to capture data from the user to be processed by either a database or server. We can also use an array of input types to make websites more dynamic and interactive. By the end of this session, we will wrap everything up with all that we have learned so far in HTML by completing a practical session.

Working with HTML input types

HTML input

Using input elements enables developers to create interactive websites. To create an input element, we use the `<input>` tag and specify the type of input using the “*type*” attribute.

Why use HTML input elements?

- Captures data from user for processing
- Used to parse data to the back-end
- Shape the client and server response

HTML input types

Input type	Details
Button	A clickable button.
Text	A text field that accepts a single line of text.
Checkbox	A checkbox that allows users to select/deselect single values.
Radio	A clickable radio checkbox that allows users to a single value from a list of options with the same named value.
Password	A single line text field that hides the values entered by the user.
Range	Enables users to select between a maximum and minimum range.
Submit	A clickable button that submits form data.
Date and time	Generates a simple UI which allows users to select a time and date.
Email	A text field that accepts a single line of text. The text is treated as an email address and uses validation parameters.

Creating HTML forms

HTML forms

Forms allow the client to capture data from the user. The HTML `<form>` element defines a form that is used to collect user input or data.

- Data validation
- Operations outside of HTML
- Highly flexible

Login form example



Practical session source code

login-signup-form.html

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Login</title>
  </head>
  <body>
    <h2>Login</h2>
    <nav>
      <ul>
        <li><a href="index.html">Cars</a></li>
        <li><a href="drag-race.html">View race</a></li>
        <li><a href="login-signup-form.html">Login</a></li>
      </ul>
    </nav>
    <form id="my-form" action="">
      <p>Username</p>
      <input type="text" name="username">
      <br>
      <p>Password</p>
      <input type="password" name="pwd">
      <br>
      <br>
      <input type="submit" value="Login">
      <br>
      <a href="#">Sign up</a>
      <br>
      <a href="#">Forgot password?</a>
    </form>
  </body>
</html>
```

Index.html

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <style media="screen">
      #supra{
        border-color:blue;
        width: 450px;
      }
      #m2 {
        border-color:orange;
        width:450px;
      }
      .headings{
        font-style: italic;
      }
      .prices{
        font-style: italic;
      }
    </style>
    <meta charset="utf-8">
    <title>Cars</title>
  </head>
  <body>
    <h1>Cars</h1>
    <nav>
      <ul>
        <li><a href="index.html">Cars</a></li>
        <li><a href="drag-race.html">View race</a></li>
        <li><a href="login-signup-form.html">Login</a></li>
      </ul>
    </nav>
    <hr width="1000px">
    <section>
      <h2 class="headings">Toyota GR Supra</h2>
      
      <p class="prices">Price: $51,945</p>
      <table border="1px" >
        <tr>
          <th>Information</th>
          <th>Details</th>
        </tr>
        <tr>
          <td>Drivetrain</td>
          <td>front-engine, rear-wheel-drive</td>
        </tr>
        <tr>
          <td>Engine type</td>
          <td>turbocharged, inline-6</td>
        </tr>
        <tr>
          <td>Power</td>
          <td>382 hp @ 6500 rpm</td>
        </tr>
        <tr>
          <td>Torque</td>
          <td>368 lb-ft @ 1800 rpm</td>
        </tr>
        <tr>
          <td>0 - 60mph</td>

```

```

    <td>3.8 seconds</td>
</tr>
<tr>
    <td>Transmission</td>
    <td>8 -speed automatic</td>
</tr>
<tr>
    <td>Fuel economy</td>
    <td>Combined/city/highway: 25/22/30 mpg</td>
</tr>
</table>
</section>
<br>
<hr width="1000px">
<section>
    <h2 class="headings">BMW M2 Competition</h2>
    
    <p class="prices">Price: $59,895</p>
    <table border="1px" >
    <tr>
        <th>Information</th>
        <th>Details</th>
    </tr>
    <tr>
        <td>Drivetrain</td>
        <td>front-engine, rear-wheel-drive</td>
    </tr>

    <tr>
        <td>Engine type</td>
        <td>turbocharged, inline-6</td>
    </tr>
    <tr>
        <td>Power</td>
        <td>405 hp @ 7000 rpm</td>
    </tr>
    <tr>
        <td>Torque</td>
        <td>406 lb-ft @ 2350 rpm</td>
    </tr>
    <tr>
        <td>0 - 60mph</td>
        <td>3.9 seconds</td>
    </tr>
    <tr>
        <td>Transmission</td>
        <td>6 -speed automatic</td>
    </tr>
    <tr>
        <td>Fuel economy</td>
        <td>Combined/city/highway: 19/17/23 mpg</td>
    </tr>
    </table>
</section>
</body>
</html>

```

drag-race.html

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>View race</title>
  </head>
  <body>
    <h1>View race</h1>
    <nav>
      <ul>
        <li><a href="index.html">Cars</a></li>
        <li><a href="drag-race.html">View race</a></li>
        <li><a href="login-signup-form.html">Login</a></li>
      </ul>
    </nav>
    <hr width=1000px>
    <br>
    <video src="m2-supra-drag-race.mp4" controls width="720px">
  </video>
</body>
</html>
```