More Controls For Form

Web Technologies

Lecture by

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```html
<!doctype html>
<html>
    <head>
        <title>
            Web Technologies
        </title>
        <style>
          p {
            color: blue;
          }
        </style>
        <script>
        console.log("client-side");
        </script>
    </head>
    <body>
        <p>
            Welcome!
        </p>
    </body>
</html>
```

What we will cover

- **Controls**
  - Input type:
    - url
    - Tel
    - Email
    - Search
    - Password
  - <button>
  - <textarea>
  - <select>
- **<fieldset>**
- **accesskey attribute**

Contacts

```html
<form>
    <label for="link">Website:</label>
    <input type="url" id="link" required>
    <label for="phone">
Contact Telephone Number:</label>
    <input type="tel" id="phone" required>
    <label for="mail">
Contact Email Address:</label>
    <input type="email" id="mail" required>
</form>
```

Website: [   ]

Contact Telephone Number: [   ]

Contact Email Address: [   ]

Search

```
<form method="get"
        action="http://www.google.com/search">
    <input type="search" size="30" maxlength="255"
        placeholder="Enter keyword here">
    <input type="hidden" name="domains"
        value="http://www.city.ac.uk">
    <input type="hidden" name="sitesearch"
        value="http://www.city.ac.uk">
    <input type="submit" value="Search">
</form>
```

Text and Password

```
<form action="" method="get">
```

Number of characters:

```
<input type="text" id="quantity" value="8" size="5" readonly>
```

Password:

```
<input type="password"
    name="pass"
    placeholder="Enter your password"
    maxlength="8">
```

```
</form>
```

Number of characters: 8

Password: Enter your password

Password: ••••••••

How to Create Buttons

Input with type attribute and values:

- Submit
- Reset
- Button
- Image

```
<input type="image"
src="submit.jpg"
alt="Submit" width="50"
height="20">
```
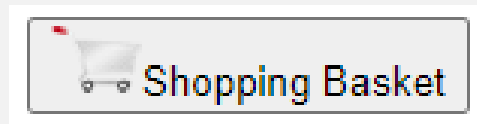
Button element

```
<button type="submit">
<img src="cart.jpg" width="30"
height="23" alt="Basket">
Shopping Basket</button>
```

List Box

```
<form><select id="list" size="5" multiple>
    <option>Blue</option>
    <option selected>Red</option>
    <option>Yellow</option>
    <option>Black</option>
    <option>Brown</option>
  </select>
</form>
```

Drop-Down

```
<select>
    <optgroup label="Light Colours">
        <option>White</option>
        <option>Yellow</option>
        <option>Pink</option>
    </optgroup>
    <optgroup label="Dark Colours">
        <option>Black</option>
        <option>Brown</option>
        <option>Purple</option>
    </optgroup>
</select>
```

The <select> Attributes

Attributes for the <select> element to create List Box

- **Id**

- **Name**

- **Disabled**

- **Required**

- **Multiple**

- **Size**

Attributes for the <select> element to create Drop-Down

- **Id**

- **Name**

- **Disabled**

- **Required**

The <option> Attributes

- **Value**
- **Selected**

```
<select>
    <option value ="blu">Blue</option>
    <option value ="re" selected>Red</option>
 …
</select>
```

<textarea>

<form>

<p>Description:</p>

<textarea id="details" maxlength="150" placeholder="Please provide more details here...">

</textarea>

</form>

Description:

Please provide more details here...

\<fieldset\>

```html
<form>
  <fieldset>
  <legend>Contact Details</legend>
  <label for="email"> Email:</label>
  <input type="email" id="email" required><br><br>
  <label for="link">Website:</label>
  <input type="url" id="url" required><br><br>
  <label for="phone">Telephone Number:</label>
  <input type="tel" id="phone" required><br><br>
  </fieldset>
</form>
```
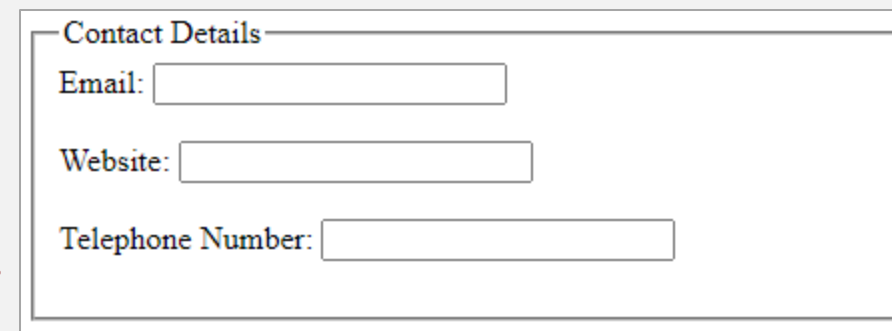
Accessibility Design

- **Accesskey attribute**

```
<label for="firstname" accesskey="F">First name:</label>
<input type="text" id="firstname">
<label for="lastname" accesskey="L">Last name:</label>
<input type="text" id="lastname">
<label for="email" accesskey="E">Email:</label>
<input type="text" id="email">
```

Try It Yourself

In this activity, you can practice creating a form using the new controls. So,

1. **Use the codes in slides 4-12 and create the new controls for a form in your page.**