



HTML-Session-1

HTML Forms



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- ▶ `<form>` Element
- ▶ The action Attribute
- ▶ The name Attribute
- ▶ The Method Attribute



Did you finish pre-class material?



Students choose an option



HOW FORMS WORK

A user fills in a form and then presses a button to submit the information to the server.





1

<form> Element





<form> Element

In order to collect information from user, we use **<form>** element

A HTML form consists of form elements.

Form elements/controls:

- input
- select
- fieldset
- textarea
- option
- label
- button
- optgroup
- output

Login

Email

Password

[Forgot your password?](#) [Create an account](#)



Server Kodu





2

The Form Attributes



The action Attribute

The **action attribute** is required for every **<form>** element. It is used to define the action to be performed when the form is submitted.

When it is submitted, the form data is sent to a web page on the server

```
HTML
3 <body>
4   <form action="http://www.clarusway.com/action_page.php">
5     <h2>This is a form.</h2>
6   </form>
7 </body>
8 </html>
```

This is a form.



4

The name Attribute



The name Attribute

The name attribute is required for each input field

When users enter information into a form, The value of this attribute identifies the form control.

In case the name attribute is omitted, the data of that input field will not be sent

HTML

```
1 <!DOCTYPE html>
2 <html>
3   <body>
4     <form action="http://www.clarusway.com/action_page.php">
5       <h2>Welcome Clarusway</h2>
6       Username:<br>
7       <input type="text" name="username">
8     </form>
9   </body>
10 </html>
```

Welcome Clarusway

Username:



5

The method Attribute



The method Attribute

The method attribute is used to determine how to send form data to the server

There are two types of method to send forms: GET and POST

The default value for the method attribute is GET method. If the method attribute is omitted, the form data will be sent using the GET method

With the GET method, the values from the form data will be visible in the page address field. So, GET method must not be used for sensitive data

If the form is short and not sensitive, it is ideal to use GET method

In case the form is very long and contains sensitive data (e.g. passwords), to use POST method is ideal



5

The label Element



The label Element

Represents a **label** which can be associated to a **form control**, and is supposed to provide a **short description** for it.

There are two ways to associate a **label** with a control:

by inserting both, the **label text** and the **form control** inside label

by matching the values of the **id attribute** in the control and the **for attribute** in the label

Always use the **<label>** tag to define labels for
<input type="text">, **<input type="checkbox">**,
<input type="radio">, **<input type="file">**,
<input type="password">



The label Element

As a rule of thumb, here are the best places to place labels on form controls.

ABOVE OR TO THE LEFT:

- Text inputs
- Text areas
- Select boxes
- File uploads

TO THE RIGHT:

- Individual checkboxes
- Individual radio buttons

Reserve Your Space

Your Full Name:

Email:

Phone:

Submit

Name

Company

Visiting

Badge

Sign In

- ☐ Male
- ☐ Female
- ☐ Other

Submit



HTML Input Types



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- ▶ input type text
- ▶ input type password
- ▶ input type radio
- ▶ input type checkbox
- ▶ input type number
- ▶ input type reset
- ▶ input type submit
- ▶ input type search
- ▶ input type color
- ▶ input type date
- ▶ input type e-mail
- ▶ input type file
- ▶ input type tel
- ▶ input type range



The Input Type="Text"

Used to create a single line text input

Attributes that we use with:

- name
- size
- maxlength

```
HTML
1 <!DOCTYPE html>
2 <html>
3   <body>
4     <form action="http://www.clarusway.com/action_page.php">
5       <h2>Welcome Clarusway</h2>
6       Username:<br>
7       <input type="text" name="username">
8     </form>
9   </body>
10 </html>
```

Rendered output:

Welcome Clarusway

Username:



Input Type="Password"

Used to create a password field

The characters in a password field are blocked out. They are shown as asterisks or circles.

Attributes that we use with:

- name
- size
- maxlength

The screenshot shows an HTML editor with the following code:

```
1 <!DOCTYPE html>
2 <html>
3   <body>
4     <form action="http://www.clarusway.com/action_page.php">
5       <h2>Welcome Clarusway</h2>
6       Username:
7       <input type="text" name="username"><br><br>
8       password:
9       <input type="password" name="password">
10    </form>
11  </body>
12 </html>
```

Below the code, the rendered HTML is shown:

Welcome Clarusway

Username:

password:



Input Type="Radio"

Used to define a radio button

Radio buttons allow users to select **only one** of a number of options.

Value attribute indicates the value which is sent to the server for the selected option.

Checked attribute indicates which value is checked when the page load.

```
HTML
1 <!DOCTYPE html>
2 <html>
3   <body>
4     <form action="http://www.clarusway.com/action_page.php">
5       <h2>GENDER:</h2>
6       <input type="radio" name="gender" value="male"
7         checked> Male<br>
8       <input type="radio" name="gender" value="female">
9         Female<br>
9     </form>
10  </body>
11 </html>
```

GENDER:

- ☒ Male
- ☐ Female

Attributes that we use with:

- name
- value
- checked



Input Type="Checkbox"

Checkbox button is used to create a checkbox.

Checkboxes allow users to select zero or more options in answer to a question

```
HTML
1 <!DOCTYPE html>
2 <html>
3   <body>
4     <form action="http://www.clarusway.com/action_page.php">
5       <p>Which days are you busy.</p>
6       <input type="checkbox" name="days" value="monday">
        Monday<br>
7       <input type="checkbox" name="vehicle2"
        value="tuesday">Tuesday<br>
8       <input type="checkbox" name="days" value="wednesday">
        Wednesday<br>
9       <input type="checkbox" name="days" value="thursday">
        Thursday<br>
10      <input type="checkbox" name="days" value="friday">
        Friday<br>
11    </form>
12  </body>
13 </html>
```

Which days are you busy.

- ☒ Monday
- ☒ Tuesday
- ☒ Wednesday
- ☐ Thursday
- ☐ Friday

Attributes that we use with:

- name
- value
- checked



Input Type="Number"

Used to create a single row field for number input

Attributes that we use with:

- name
- value
- max-min
- placeholder
- step
- list

```
HTML
1 <!DOCTYPE html>
2 <blockquote>
3 <!DOCTYPE html>
4 <html>
5 <body>
6 <form action="http://www.clarusway.com/action_page.php">
7 <p>How old are you?</p>
8 Age: <input type="number" name="age">
9 </form>
10 </body>
11 </html>
```

How old are you?

Age:



Input Type="Reset"

Used to reset all form values to their default values

```
HTML
1 <!DOCTYPE html>
2 <html>
3 <body>
4 <form action="http://www.clarusway.com/action_page.php">
5 <h2>Welcome Clarusway</h2>
6 Username:
7 <input type="text" name="username"><br><br>
8 password:
9 <input type="password" name="password">
10 <p>What is your gender</p>
11 <input type="radio" name="gender" value="male" checked>
    Male<br>
12 <input type="radio" name="gender" value="female">
    Female<br>
13 <p>Which days are you busy.</p>
14 <input type="checkbox" name="days" value="monday">
    Monday<br>
15 <input type="checkbox" name="vehicle2"
    value="tuesday">Tuesday<br>
16 <input type="checkbox" name="days" value="wednesday">
    Wednesday<br>
17 <input type="checkbox" name="days" value="thursday">
    Thursday<br>
18 <input type="checkbox" name="days" value="friday">
    Friday<br>
19 <input type="reset" value="reset">
20 </form>
21 </body>
22 </html>
```

Welcome Clarusway

Username:

password:

What is your gender

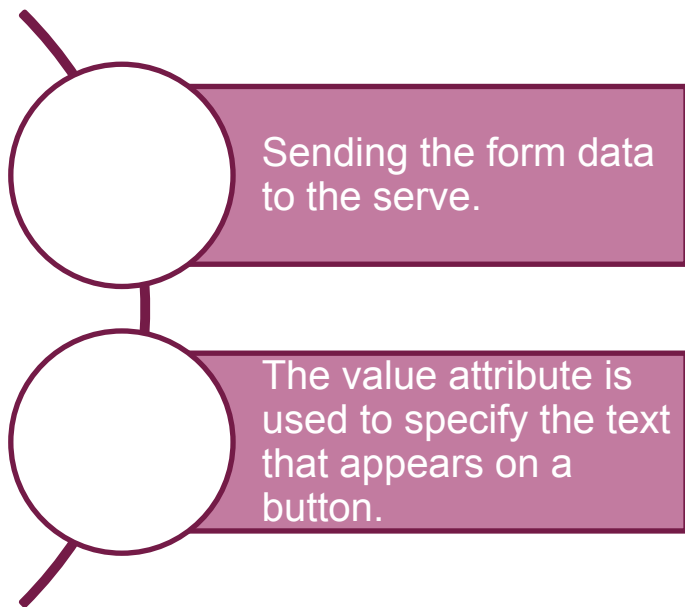
- ☒ Male
☐ Female

Which days are you busy.

- ☐ Monday
☐ Tuesday
☐ Wednesday
☐ Thursday
☐ Friday



Input Type="Submit"



```
HTML
1 <!DOCTYPE html>
2 <html>
3   <body>
4     <form action="http://www.clarusway.com/action_page.php">
5       <h2>Welcome Clarusway</h2>
6       Username:<br>
7       <input type="text" name="username">
8       <input type="submit" value="Submit">
9     </form>
10  </body>
11 </html>
```

Welcome Clarusway

Username:



Input Type="Search"

Designed for the user to enter search queries into.

Attributes that we use with:

- name - placeholder
- maxlength - size
- minlength - pattern

The screenshot shows a web browser window with the title "Search" and the URL "Clarusway". The browser's developer tools are open, showing the HTML code for the search form. The code is as follows:

```
1 <label for="site-search">Search the site:</label>
2 <input type="search" id="site-search" name="search">
3
4 <input type="button" value="Search">
```



Below the code, the rendered form is displayed. It consists of a label "Search the site:" followed by a search input field and a "Search" button.



Input Type="Color"

Used for input fields that should contain a color.


Value attribute contains a 7-character string specifying an RGB color in hexadecimal format.


 Search 
Clarusway

HTML 18 unsaved changes X

```
1 <p>Choose your monster's colors:</p>
2
3 <div>
4     <input type="color" id="head" name="head" value="#e66465">
5     <label for="head">Head</label>
6 </div>
7
8 <div>
9     <input type="color" id="body" name="body" value="#f6b73c">
10    <label for="body">Body</label>
11 </div>
```

Choose your monster's colors:

 Head

 Body




Input Type="Date"


Used for input fields that should contain a date.

You can set a default value for the input with a date inside the value attribute

Additional attributes are max, min and step

 HTML

```
1 <label for="start">Start date:</label>
2
3 <input type="date" id="start" name="trip-start"
4       value="2018-07-22"
5       min="2018-01-01" max="2018-12-31">
```

Start date: 



Input Type="E-mail"

Used for input fields that should contain an e-mail.

```
HTML
1 <label for="email">Enter your email:</label>
2
3 <input type="email" id="email" size="30" required>
```

Enter your email:



Input Type="File"

Defines a file-select field and a "Browse" button for file uploads.


```
HTML
1 <label for="avatar">Choose a profile picture:</label>
2
3 <input type="file" id="avatar" name="avatar">
```

Choose a profile picture: Dosya seçilmedi



Input Type="Tel"

Input elements of type tel is used for input fields that should contain a telephone number.

 HTML

```
1 <label for="phone">Enter your phone number:</label>
2 <input type="tel" id="phone" name="phone">
```

Enter your phone number:



THANKS!

Any questions?

