HTML Forms

OBJECTIVES

By the end of the session, students should be able to

❑Define HTML form

❑List all types of input element

❑Create a form

HTML forms

❏HTML Forms are one of the main points of interaction between a user and a web site or application.

❏They allow users to send data to the web site.

❏Most of the time that data is sent to the web server, but the web page can also intercept it to use it on its own.

❏HTML forms contains **<form>** element which defines the HTML form

❏HTML form is a container element like <p>, <div>

❏Syntax for HTML forms

```
<form action="/my-handling-form-page" method="post">

</form>
```

HTML forms

❑Syntax for HTML forms

```
<form action="/my-handling-form-page" method="post">

</form>
```

❑*action* & *method* attributes here are optional

   ❑The `action` attribute defines the location (an URL) where the form's collected data should be sent

   ❑The method attribute defines which HTTP method to send the data with (it can be "get" or "post").

❑When do we use POST and GET HTTP methods?

\<input\> element

❑A text field:

\<input type="text" name="textfield" value="with an initial value"\>

A text field: | with an initial value |

❑A multi-line text field :

\<textarea name="textarea" \>Hello\</textarea\>

A multi-line text field | Hello |

<input> element

❑A password field:

<input type="password" name="pass" value="secret">

A password field: `••••••`

❑A submit button:

<input type="submit" name="Submit" value="Submit">

A submit button: Submit

❑A reset button:

<input type="reset" name="Submit2" value="Reset">

A reset button: Reset

\<input\> element

❑Checkbox:

\<input type="checkbox"\>reading \<br\>

\<input type="checkbox"\>Swinming

☐ reading
☑ Swinming

❑Radio buttons:

\<input type="radio" name="radiobutton" value="myValue1"\>male
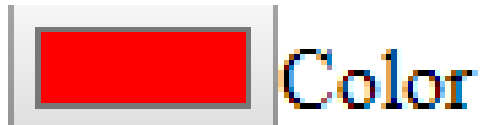\<input type="radio" name="radiobutton" value="myValue2" checked\>female

Radio buttons:
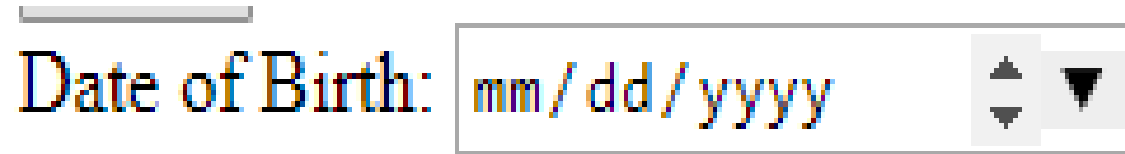◯ male
◉ female

HTML5- input elements

Color element: used to color the input fields.

<input type="color" name="color" value="#ff0000">Color

Date element

Used in input fields that should contain the date.

<pre><code>Date of Birth: <input type="date" name="bday"></code></pre>

Email element

used for input fields that should contain an e-mail address.

```
E-mail:  <input type="email" name="email">
```

E-mail:

Method attribute

The method attribute specifies the HTTP method(GET or POST) .

`<form action="register.php" method="get">`

GET:
Default method
Less secure: appends value pairs in URL
Limited URL length

POST :
More secure
No limitation in URL length

Grouping data in form

fieldset element is used to group the data in form.
Legend element is used to caption the fieldset element.

```
<form action="/action_page.php">
  <fieldset>
    <legend>Personal information:</legend>
    First name:<br>
    <input type="text" name="firstname" value="Mickey"><br>
    Last name:<br>
    <input type="text" name="lastname" value="Mouse"><br><br>
    <input type="submit" value="Submit">
  </fieldset>
</form>
```

HTML form

❑   lets try out the HTML code to Display the following form

Name:	your name
	*required to fill
sex:	◉ male ◯ female
Address:	type your address here
Geog:	Choose your Geog ▾
Password:	
your Interest:	☐ reading
	☐ Swimming
	send

Home work

Explore more on advantages of using POST method over GET method.

References

https://www.w3schools.com/html/default.asp
https://www.tutorialspoint.com/html/index.htm

Thank you