

CSE 4539 (CSE) / CSE 4581 (BScTE (2yr) 1st Sem)
: Web Programming



HTML

Md. Nazmul Haque
Lecturer, IUT

Department of Computer Science and Engineering
Islamic University of Technology

August 11, 2022

Contents

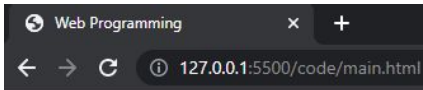


- HTML (Forms)



Form

- Collecting data from user



Form Example

ID

Name

Programs

```

main.html x
code > <> main.html > ...
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>Web Programming</title>
5      </head>
6      <body>
7          <h3>Form Example</h3>
8          <form method="post" action="action.php">
9              <p>
10                 <label>ID <input type="text" value=""> </label>
11             </p>
12             <p>
13                 <label>Name <input type="text" value=""></label>
14             </p>
15             <p>
16                 <label> Programs
17                     <input list="programs">
18                     <datalist id="programs">
19                         <option value="CSE"> CSE </option>
20                         <option value="SWE"> SWE </option>
21                         <option value="CEE"> CEE </option>
22                         <option value="EEE"> EEE </option>
23                         <option value="TVE"> TVE </option>
24                     </datalist>
25                 </label>
26             </p>
27             <p>
28                 <input type="submit" value="submit">
29                 <input type="reset" value="Clear">
30             </p>
31         </form>
32     </body>
33 </html>

```



Form: method attributes

- `method="post"`: appends the form data to the browser request. the user doesn't see the data after the form is submitted.
- `method = "get"`, appends the form data directly to the end of the URL of the script, where it's visible in the browser's Address field.



Form: action attributes

- Specifies the URL of a script on the web server that will be invoked to process the form's data.



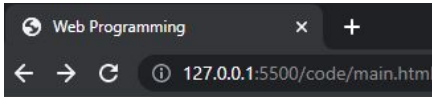
Form: input types

- color
- date
- datetime
- datetime-local
- email
- month
- number
- time
- url, etc.



Form: Type and required field

- Accept the valid input



```

main.html x
code > main.html > ...
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>Web Programming</title>
5      </head>
6      <body>
7          <h3>Form Example</h3>
8          <form method="get" action="action.php">
9              <p>
10                 <label>ID <input type="number" value="" required> </label>
11             </p>
12             <p>
13                 <label>Name <input type="text" value=""> </label>
14             </p>
15             <p>
16                 <label> Programs
17                 <input list="programs">
18                     <datalist id="programs">
19                         <option value="CSE"> CSE </option>
20                         <option value="SWE"> SWE </option>
21                         <option value="CEE"> CEE </option>
22                         <option value="EEE"> EEE </option>
23                         <option value="TVE"> TVE </option>
24                     </datalist>
25                 </label>
26             </p>
27             <p>
28                 <input type="submit" value="submit">
29                 <input type="reset" value="Clear">
30             </p>
31         </form>
32     </body>
33 </html>

```

Form Example

ID

Name

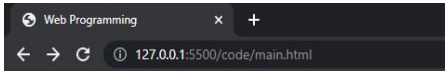
Programs

Please fill out this field.



Form: Type and required field

- Accept the valid input



Form Example

ID

Name

Email

Please include an '@' in the email address. 'abc.com' is missing an '@'.

```
main.html x
code > <> main.html > ...
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>Web Programming</title>
5    </head>
6    <body>
7      <h3>Form Example</h3>
8      <form method="get" action="action.php">
9        <p>
10         <label>ID <input type="number" value="" required> </label>
11        </p>
12        <p>
13         <label>Name <input type="text" value=""> </label>
14        </p>
15        <p>
16         <label>Email <input type="email" value=""> </label>
17        </p>
18        <p>
19         <label> Programs
20         <input list="programs">
21         <datalist id="programs">
22           <option value="CSE"> CSE </option>
23           <option value="SWE"> SWE </option>
24           <option value="CEE"> CEE </option>
25           <option value="EEE"> EEE </option>
26           <option value="TVE"> TVE </option>
27         </datalist>
28       </label>
29     </p>
30     <p>
31       <input type="submit" value="submit">
32       <input type="reset" value="Clear">
33     </p>
34   </form>
35 </body>
36 </html>
```




Responsive page

- Creating web pages that look good on all devices!

```

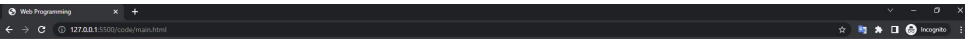
main.html x
xde > > main.html > ...
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Web Programming</title>
5  </head>
6  <body>
7  <h3>Form Example</h3>
8  <p>An HTML form is used to collect user input. The user input is most often sent to a server for processing.
9  This is an example of form design. A form may different fields with different types of inputs.
10 The form element is a container for different types of input elements, such as:
11 text fields, checkboxes, radio buttons, submit buttons, etc.</p>
12 <form method="get" action="action.php">
13   <p>
14     <label>ID <input type="number" value="" required> </label>
15   </p>
16   <p>
17     <label>Name <input type="text" value=""> </label>
18   </p>
19   <p>
20     <label>Email <input type="email" value=""> </label>
21   </p>
22   <p>
23     <label> Programs
24     <input list="programs">
25     <datalist id="programs">
26       <option value="CSE"> CSE </option>
27       <option value="SME"> SME </option>
28       <option value="CEE"> CEE </option>
29       <option value="EEE"> EEE </option>
30       <option value="TVE"> TVE </option>
31     </datalist>
32   </label>
33 </p>
34 <p>
35   <input type="submit" value="submit">
36   <input type="reset" value="Clear">
37 </p>
38 </form>
39 </body>
40 </html>

```



Responsive page

- Creating web pages that look good on all devices!



Form Example

An HTML form is used to collect user input. The user input is most often sent to a server for processing. This is an example of form design. A form may contain different fields with different types of inputs. The form element is a container for different types of input elements, such as: text fields, checkboxes, radio buttons, submit buttons, etc.

ID

Name

Email

Programs

Fig: Output from a PC

Fig: Output from a Samsung Galaxy





Responsive page

```

<> main.html X
code > <> main.html > ...
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>Web Programming</title>
5          <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      </head>
7      <body>
8          <h3>Form Example</h3>
9          <p>An HTML form is used to collect user input. The user input is most often sent to a server for processing.
10             This is an example of form design. A form may different fields with different types of inputs.
11             The form element is a container for different types of input elements, such as:
12             text fields, checkboxes, radio buttons, submit buttons, etc.</p>
13          <form method="get" action="action.php">
14              <p>
15                  <label>ID <input type="number" value="" required> </label>
16              </p>
17              <p>
18                  <label>Name <input type="text" value=""> </label>
19              </p>
20              <p>
21                  <label>Email <input type="email" value=""> </label>
22              </p>
23              <p>
24                  <label> Programs
25                      <input list="programs">
26                          <datalist id="programs">
27                              <option value="CSE"> CSE </option>
28                              <option value="SWE"> SWE </option>
29                              <option value="CEE"> CEE </option>
30                              <option value="EEE"> EEE </option>
31                              <option value="TVE"> TVE </option>
32                          </datalist>
33                      </label>
34              </p>
35              <p>
36                  <input type="submit" value="submit">
37                  <input type="reset" value="Clear">
38              </p>
39          </form>
40      </body>

```



Responsive page

- Creating web pages that look good on all devices!

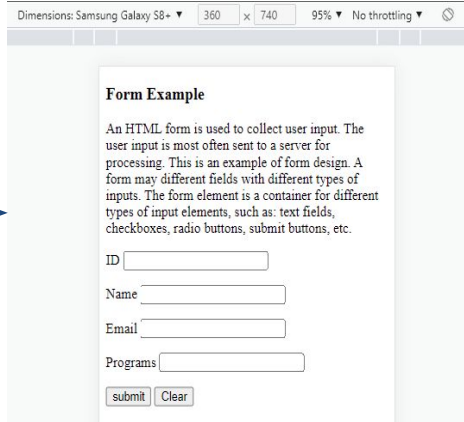
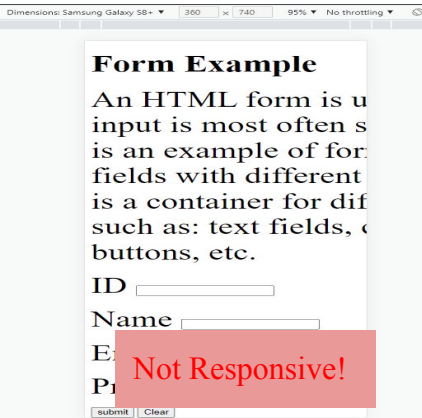


Fig: Output from a Samsung Galaxy-responsive vs not responsive



**ANY QUESTION ?
THANK YOU !**

References



[1] W3school.com