Class 8

**Lecture**

**24**

**HTML**

**Form**

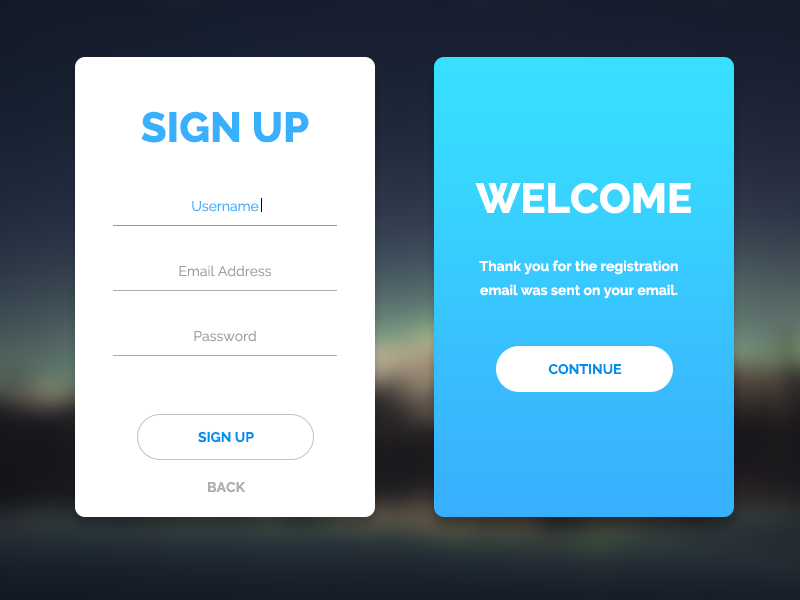
****

**Lab Objectives:**

* div

# Form

A webform, web form or HTML form on a web page allows a user to enter data that is sent to a server for processing.



# The <form> Element

The HTML <form> element defines a form that is used to collect user input:

<form>  
.  
*form elements*  
.  
</form>

An HTML form contains **form elements**.

Form elements are different types of input elements, like text fields, checkboxes, radio buttons, submit buttons, and more.

# The <input> Element

The <input> element is the most important form element.

The <input> element can be displayed in several ways, depending on the type attribute.

Here are some examples:

|  |  |
| --- | --- |
| **Type** | **Description** |
| <input type="text"> | Defines a one-line text input field |
| <input type="radio"> | Defines a radio button (for selecting one of many choices) |
| <input type="submit"> | Defines a submit button (for submitting the form) |

# Text Input

<input type="text"> defines a one-line input field for text input:

Try this code and check the output

|  |
| --- |
| *<!DOCTYPE html>*  *<html>*  *<body>*  *<h2>Text Input</h2>*  *<form>*  *First name:<br>*  *<input type="text" name="firstname">*  *<br>*  *Last name:<br>*  *<input type="text" name="lastname">*  *</form>*  *<p>Note that the form itself is not visible.</p>*  *<p>Also note that the default width of a text input field is 20 characters.</p>*  *</body>*  *</html>* |

|  |
| --- |
| **Text Input** Top of Form  First name:   Last name:  Bottom of Form  Note that the form itself is not visible.  Also note that the default width of a text input field is 20 characters. |

# Radio Button Input

<input type="radio"> defines a radio button.

Radio buttons let a user select ONE of a limited number of choices:

|  |
| --- |
| *<!DOCTYPE html>*  *<html>*  *<body>*  *<h2>Radio Buttons</h2>*  *<form>*  *<input type="radio" name="gender" value="male" checked> Male<br>*  *<input type="radio" name="gender" value="female"> Female<br>*  *<input type="radio" name="gender" value="other"> Other*  *</form>*  *</body>*  *</html>* |

Output:

|  |
| --- |
| Radio Buttons Top of Form   Male  Female  Other  Bottom of Form |

# The Submit Button

<input type="submit"> defines a button for submitting the form data to a form-handler.

The form-handler is typically a server page with a script for processing input data.

The form-handler is specified in the form's action attribute:

|  |
| --- |
| *<!DOCTYPE html>*  *<html>*  *<body>*  *<h2>HTML Forms</h2>*  *<form action="/action\_page.php">*  *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">*  *</form>*  *<p>If you click the "Submit" button, the form-data will be sent to a page called "/action\_page.php".</p>*  *</body>*  *</html>* |

Try this program and find out the output.

|  |
| --- |
| HTML Forms Top of Form  First name:   Last name:    Bottom of Form  If you click the "Submit" button, the form-data will be sent to a page called "/action\_page.php". |

# The Action Attribute

The action attribute defines the action to be performed when the form is submitted.

Normally, the form data is sent to a web page on the server when the user clicks on the submit button.

In the example above, the form data is sent to a page on the server called "/action\_page.php". This page contains a server-side script that handles the form data:

|  |
| --- |
| <form **action="/action\_page.php**"> |

If the action attribute is omitted, the action is set to the current page.

# The Target Attribute

The target attribute specifies if the submitted result will open in a new browser tab, a frame, or in the current window.

The default value is "\_self" which means the form will be submitted in the current window.

To make the form result open in a new browser tab, use the value "\_blank":

|  |
| --- |
| *<form action="/action\_page.php"****target="\_blank"****>* |

# The Method Attribute

The method attribute specifies the HTTP method (GET or POST) to be used when submitting the form data:

The method attribute specifies the HTTP method (GET or POST) to be used when submitting the form data:

Get:

|  |
| --- |
| <form action="/action\_page.php" **method="get"**> |

Post:

|  |
| --- |
| <form action="/action\_page.php" **method="post"**> |

# http://www.java8s.com/img/get.PNG