

## HTML Forms

HTML forms are used to collect user input.

The `<form>` element defines an HTML form:

### Example:

```
<form>
```

Form elements

```
</form>
```

HTML forms contain form elements.

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

## The `<input >`Element

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

the `<input>` element has many variations, depending on the type attribute. Here are the types used in this chapter:

Type	Description
<b>Text</b>	Defines normal text input.
<b>Password</b>	Defines a password field.
<b>submit</b>	Defines a submit button (for submitting the form).
<b>Radio</b>	Defines radio button input (for selecting one of many choices).
<b>Checkbox</b>	Defines a checkbox
<b>Number</b>	Is used for input fields that should contain a numeric value.
<b>Button</b>	Defines a button
<b>Select</b>	Defines a drop-down list
<b>Text area</b>	Defines a multi-line input field
<b>Email</b>	Is used for input fields that should contain an e-mail address.

## Input Type: Text

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

### Example:

```
<form>
```

First Name :<br>

```
<input type="text" name="firstname">
```

```
<br>
```

Last Name:<br>

```
<input type="text" name="lastname">
```

```
</form>
```

First Name :

Last Name:

## Input Type: password

`<input type="password">` defines a password field:

### Example

```
<form>
```

User password:<br>

```
<input type="password" name="psw">
```

```
</form>
```



User password:

## Input Type: submit

`<input type="submit">` defines a button for **submitting** form input 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:

## Example

```
<form action="defuat.asp">
First name:<br>
<input type="text" name="firstname" value="Omer">
<br>
Last name:<br>
<input type="text" name="lastname" value="Ali">
<br><br>
<input type="submit" value="Submit">
</form>
```



file:///F:/flas

First name:  
Omer

Last name:  
Ali

Submit

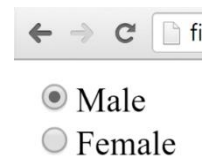
## Input Type: radio

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

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

## Example

```
<form>
<input type="radio" name="sex" value="male" checked>Male
<br>
<input type="radio" name="sex" value="female">Female
</form>
```



file

☒ Male

☐ Female

## Input Type: checkbox

**<input type="checkbox">** defines a **checkbox**.

Checkboxes let a user select ZERO or MORE options of a limited number of choices.

## Example

```
<form>
<input type="checkbox" name="bikech" value="Bike">I have a bike
<br>
<input type="checkbox" name="carch" value="Car">I have a car
</form>
```



file:

☒ I learn html

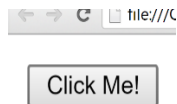
☒ I have Css

## Input Type: button

`<input type="button">` defines a **button**:

Example

```
<form>  
<input type="button" onclick="alert('Hello World!')" value="Click Me!">  
</form>
```



## Input Type: number

The `<input type="number">` is used for input fields that should contain a numeric value.

You can set restrictions on the numbers.

Depending on browser support, the restrictions can apply to the input field.

Example

```
<form>  
  Quantity (between 1 and 5):  
  <input type="number" name="quantity" min="1" max="5">  
</form>
```

Quantity (between 1 and 5):

## The <select> Element (Drop-Down List)

The `<select>` element defines a **drop-down** list:

Example

```
<select name="cars">  
  <option value="volvo">Volvo</option>  
  <option value="saab">Saab</option>  
  <option value="fiat">Fiat</option>  
  <option value="audi">Audi</option>  
</select>
```

## The <textarea> Element

The **<textarea>** element defines a multi-line input field (**a text area**):

Example

```
<form>  
<textarea name="message" rows="10" cols="30">  
The cat was playing in the garden.  
</textarea>  
</form>
```

## Input Type: email

The **<input type="email">** is used for input fields that should contain an e-mail address.

Depending on browser support, the e-mail address can be automatically validated when submitted.

Some smartphones recognize the email type, and adds ".com" to the keyboard to match email input.

Example

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