HTML Input Types

The <form> Element

The HTML `<form>` element is used to create an HTML form for user input:

```
<form>
.
form elements
.
</form>
```

The `<form>` element is a container for different types of input elements, such as: text fields, checkboxes, radio buttons, submit buttons, etc.

Input Type Text

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

<form>

first name:

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

last name:

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

</form>

First name:

Last name:

Input Type Password

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

<form>

user name

<input type="text" name="username">

user password:

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

</form>

User name:

User password:

Input Type Button

defines a **button**:

<input type="button" value="click me">

Click Me!

Input Type Submit

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

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

First name:

Mickey

Last name:

Mouse

Submit

Input Type Reset

<input type="reset"> defines a **reset button** that will reset all form values to their default values:

<input type="reset">

Submit   إعادة

Input Type Radio

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

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

<form>

<input type="radio" name="gender" value="male" checked>male

<input type="radio" name="gender" value="female">female

</form>

○ Male

○ Female

○ Other

Input Type Checkbox

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

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


```
<form>
<input type="checkbox" name="vechicle1" value="bike">i have a bike<br>
<input type="checkbox" name="vechicle2" value="car">i have a car<br>
</form>
```

☐ I have a bike
☐ I have a car

The <textarea> Element

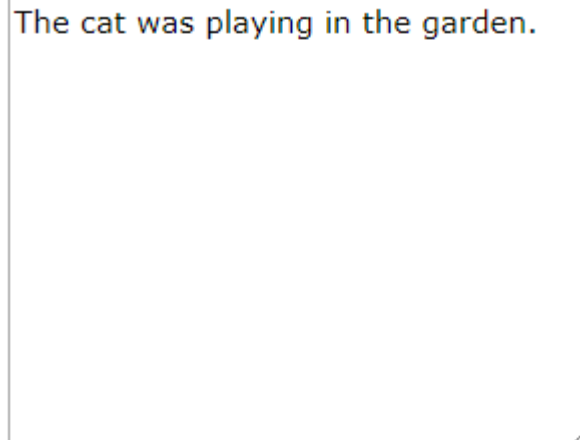The **<textarea>** element defines a multi-line input field (**a text area**):

The **rows** attribute specifies the visible number of lines in a text area.

The **cols** attribute specifies the visible width of a text area.

<textarea name="message" rows="10" cols="30">

The cat was playing in the garden

</textarea>

The cat was playing in the garden.

placeholder

Definition and Usage

The `placeholder` attribute specifies a short hint that describes the expected value of an input field

The short hint is displayed in the input field before the user enters a value.

Note: The `placeholder` attribute works with the following input types: text, search, url, tel, email, and password.

```
<input type="text" name="fst_name" placeholder="First Name"/>
```

First name

Last name

Submit

```html
<input type="number" min="1" max="10">
```