

What are Forms

- **What are forms?**

- HTML Forms are required when you want to collect some data from the site visitor. For example registration information: name, email address, credit card, etc.

Form elements are like text fields, textarea fields, drop-down menus, radio buttons, checkboxes, etc. which are used to take information from the user.

Most frequently used form attributes

- **name:** This is the name of the form.
- **action:** Here you will specify any script URL which will receive uploaded data.
- **method:** Here you will specify method to be used to upload data. It can take various values but most frequently used are GET and POST.
- **target:** It specifies the target page where the result of the script will be displayed. It takes values like `_blank`, `_self`, `_parent` etc.

← HTML5 Doctype
`<!DOCTYPE html>`

`<html>`

`<head>`

`<meta charset="utf-8" />`

`<title>CSS3 Contact Form</title>` ← Link to CSS stylesheet

`<link href="style.css" rel="stylesheet" type="text/css" media="screen" />`

`</head>`

`<body>`

← Containing DIV

`<div id="contact">`

`<h1>Send an email</h1>`

`<form action="#" method="post">`

→ `<fieldset>`

`<label for="name">Name:</label>`

`<input type="text" id="name" placeholder="Enter your full name" />`

`<label for="email">Email:</label>`

`<input type="email" id="email" placeholder="Enter your email address" />`

`<label for="message">Message:</label>`

`<textarea id="message" placeholder="What's on your mind?"></textarea>`

`<input type="submit" value="Send message" />` ↑

`</fieldset>`

`</form>`

`</div>`

`</body>`

`</html>`

Fieldset contains
form elements

Each label 'for' attribute corresponds to the input's ID

HTML5 placeholder inserts text in the field that
is automatically cleared when the field has focus

Submit button with the text 'Send message'

Examples

- <http://www.eightonefive.com/code/form5/index.php>
- <http://www.deque.com/padam/demo-accessible-client-side-form-validation-with-html5.html>
- <http://www.wufoo.com/html5/example/>

HTML5 Forms

- New input types
- New rendering
- New input features
 - EX: Placeholder Text, AutoFocus

Input example

text input

.

buttons

`<input type="_____"/>`

`<input type="_____"/>`

text
password
hidden
file

email
Tel
url
search
color
number
range
datetime*

- checkbox
- radio
- submit
- reset
- image
- button

placeholder attribute

Enter Contact Information

required attribute

input type email

input type tel

Search:

input type search

input type url

input type date

input type number

pattern attribute

input type range

input type color

input type file

Name:

Enter your name

E-Mail:

Phone:

Website:

Birthdate:

Quantity Attending:

Pattern:

123456

Range:

Hair color:

Select photo images:

Add files

Submit





[No unique keyboard for Date/Time]

*Chrome for Android improves the story,
but only available to fraction of Android users.*

Enter your email:

```
<input type="email" placeholder="Enter your email"
required title="Please enter your email" />
<input type="submit" value="Submit" />
```

Enter your email:

Enter your email:



Please fill out this field.
Please enter your email

Enter your email:



Please enter an email address.
Please enter your email

New Attributes

- More control over input behavior
 - Still no JavaScript
 - Improved usability
- Attributes:
 - Placeholder
 - Autofocus
 - Max Length
 - List
 - AutoComplete
 - Required
 - Pattern
 - Spellcheck
 - NoValidate
 - FormNoValidate
 - Accept
 - Multiple
 - Min/Max
 - Step

Pattern - html5pattern.com

- Change message
 - In Chrome, use input title attribute
 - (Not FF, O, S)
- Pattern attribute

```
<input type=text name=pattern-test  
pattern="[0-9][A-Z]{3}">
```

Live Demo

⚠ Please match the requested format.

HTML 5 FORMS CSS STYLES

- <http://www.sitepoint.com/html5-forms-css/>

Resources

<http://diveintohtml5.info/forms.html>

<http://www.w3.org/TR/html5/forms.html>

http://www.w3schools.com/html/html_form_attributes.asp

html5pattern.com - Patterns in Html 5

<http://www.wufoo.com/html5> - Browser support input types

<http://www.wufoo.com/html5/example/>

<http://webdesign.tutsplus.com/tutorials/bring-your-forms-up-to-date-with-css3-and-html5-validation--webdesign-4738>

<http://www.html5rocks.com/en/tutorials/forms/html5forms/>

<http://webdesign.tutsplus.com/tutorials/bring-your-forms-up-to-date-with-css3-and-html5-validation--webdesign-4738>

<http://html5doctor.com/css3-pseudo-classes-and-html5-forms/>