## 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.

```
<! DOCTYPE html> HTML5 Doctype
           <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">
                                            Each label 'for' attribute corresponds to the input's ID
               <h1>Send an email</h1>
               <form action="#" method="post">
                  <fieldset>
                      <label for="name">Name:</label>
Fieldset contains
                      <input type="text" id="name" placeholder="Enter your full name" />
form elements
                      <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>
                                                 HTML5 placeholder inserts text in the field that
               </form>
                                                 is automatically cleared when the field has focus
           </div>
           </body>
           </html>
                    Submit button with the text 'Send message'
```

# Examples

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

## HTML5 Forms

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

# Input example

text input

buttons

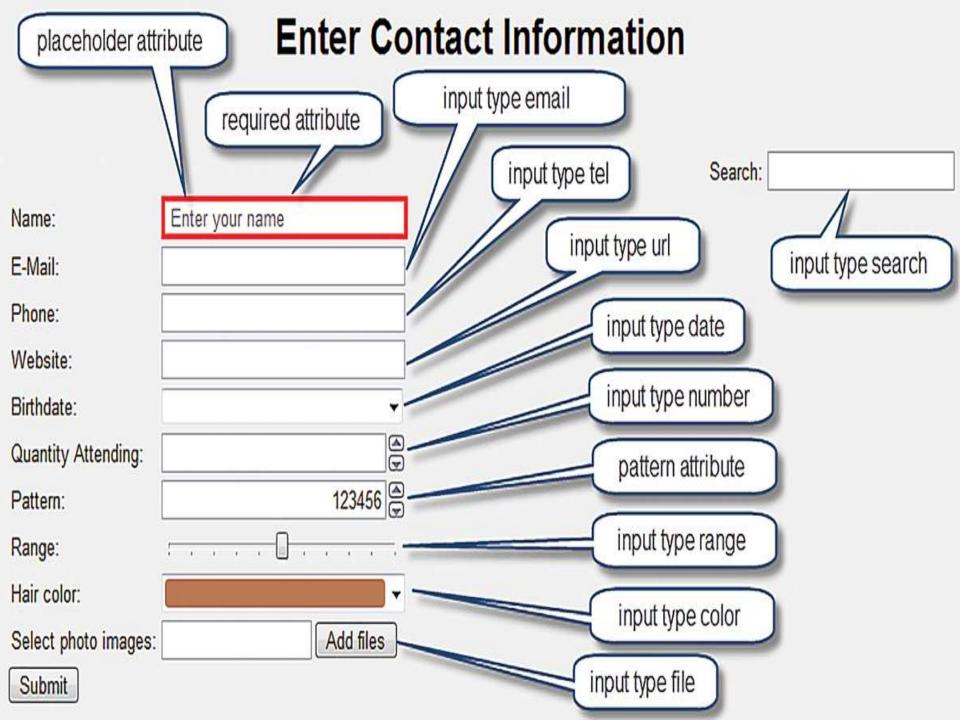
```
<input type="____" />
```

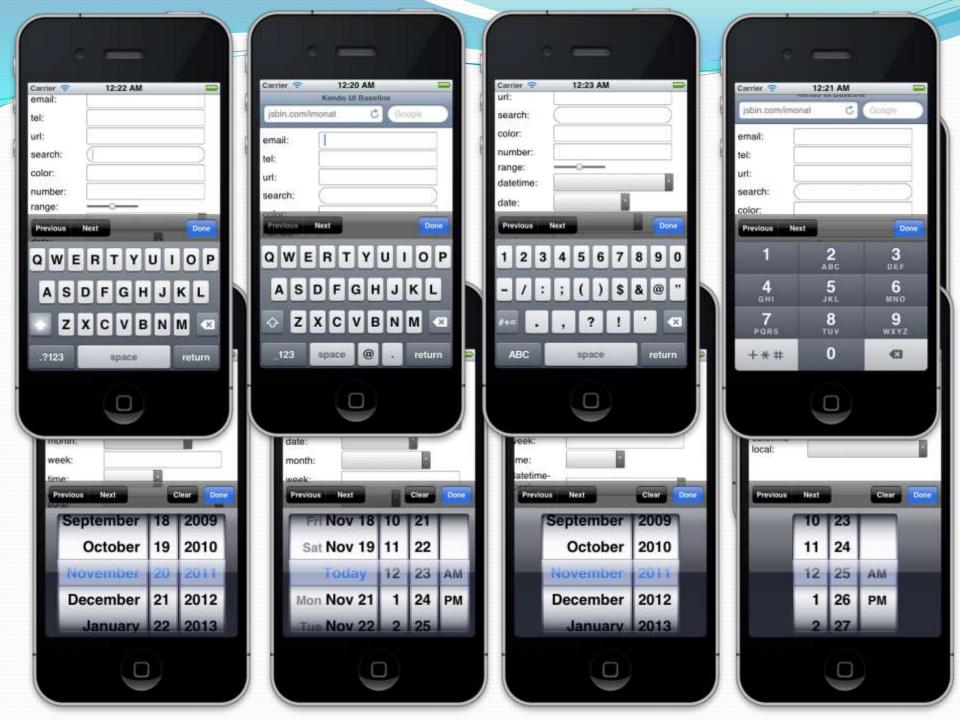
<input type="\_\_\_\_"/>

text password hidden file email
Tel
url
search
color
number
range

datetime\*

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







100	<b>5</b> 1:06
email:	
tel:	
url:	
search:	
color:	
number:	
range:	
qwer	tyuiop
a s d f	g h j k l
☆ z x c	v b n m <b>≪</b> 3
7123 →	. Q





#### [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"</pre>
      required title="Please enter your email" />
      <input type="submit" value="Submit" />
  Enter your email: Enter your email
                                                Submit
  Enter your email:
                                                Submit
                     Please fill out this field.
                        Please enter your email
Enter your email: asdflkajfds
                                            Submit
                         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

## Patern - <a href="https://https://html5pattern.com">html5pattern.com</a>

- 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

asdfasdfa

Please match the requested format.
```

## HTML 5 FORMS CSS STYLES

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

### Resourses

http://diveintohtml5.info/forms.html

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

http://www.w3schools.com/html/html form attributes.asp

html5pattern.com - Paterns 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/

 $\frac{http://webdesign.tutsplus.com/tutorials/bring-your-forms-up-to-date-with-css_3-and-html_5-walidation--webdesign-4738}{validation--webdesign-4738}$ 

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