HTML&CSS

design and build websites

CHAPTER 7

FORMS

WHY FORMS?

FORM CONTROLS

ADDING TEXT:

Text input (single-line)

Ivy

Password input

•••••••

Text area (multi-line)

Enter your comments...

MAKING CHOICES:

Radio buttons

● Rock ○ Pop ○ Jazz

Checkboxes

☑ iTunes ☐ Last.fm ☐ Spotify

Drop-down boxes

iPod

SUBMITTING FORMS:
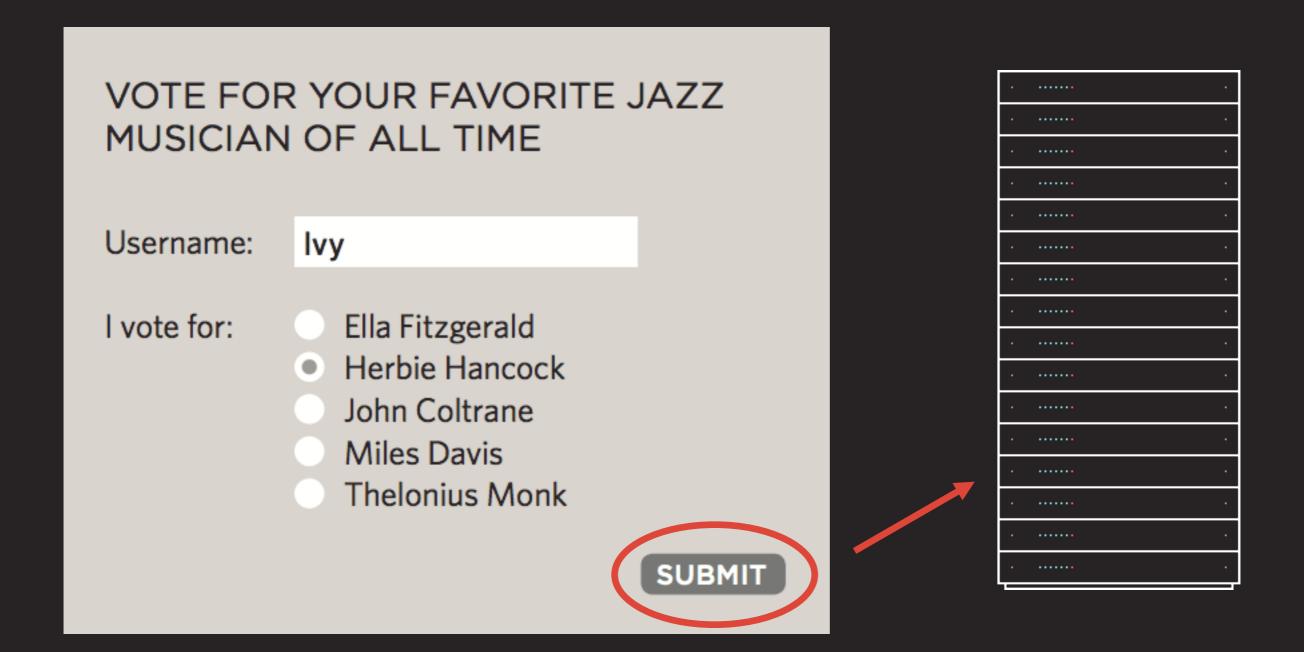
Submit buttons

Subscribe
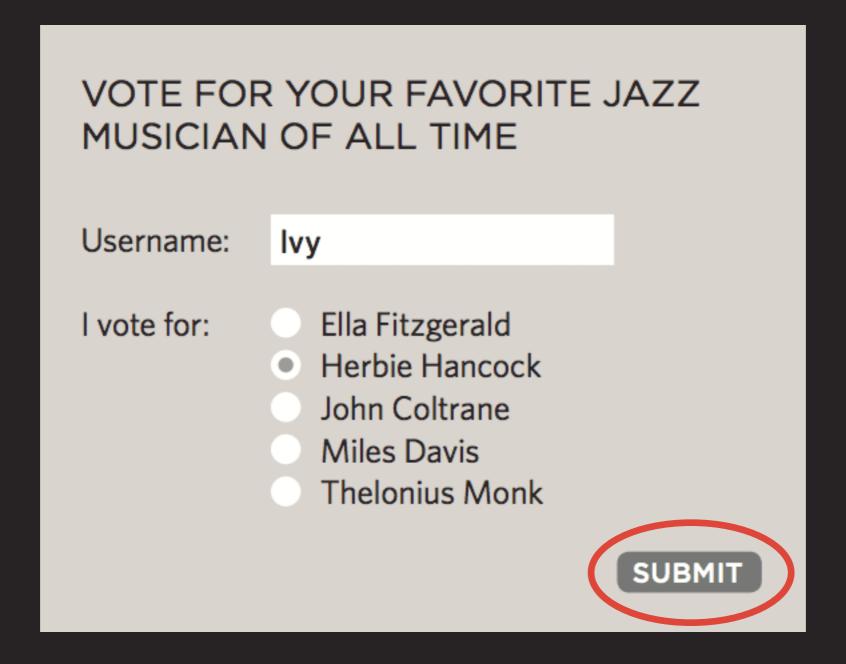
Image buttons

SUBSCRIBE

UPLOADING FILES:

File upload

Browse...

Upload

HOW FORMS WORK
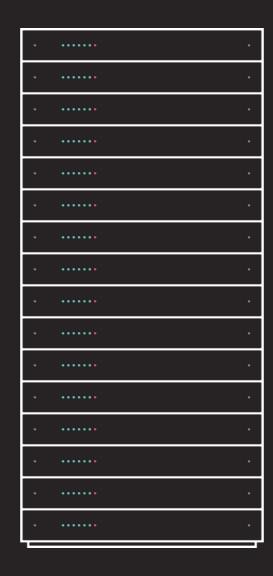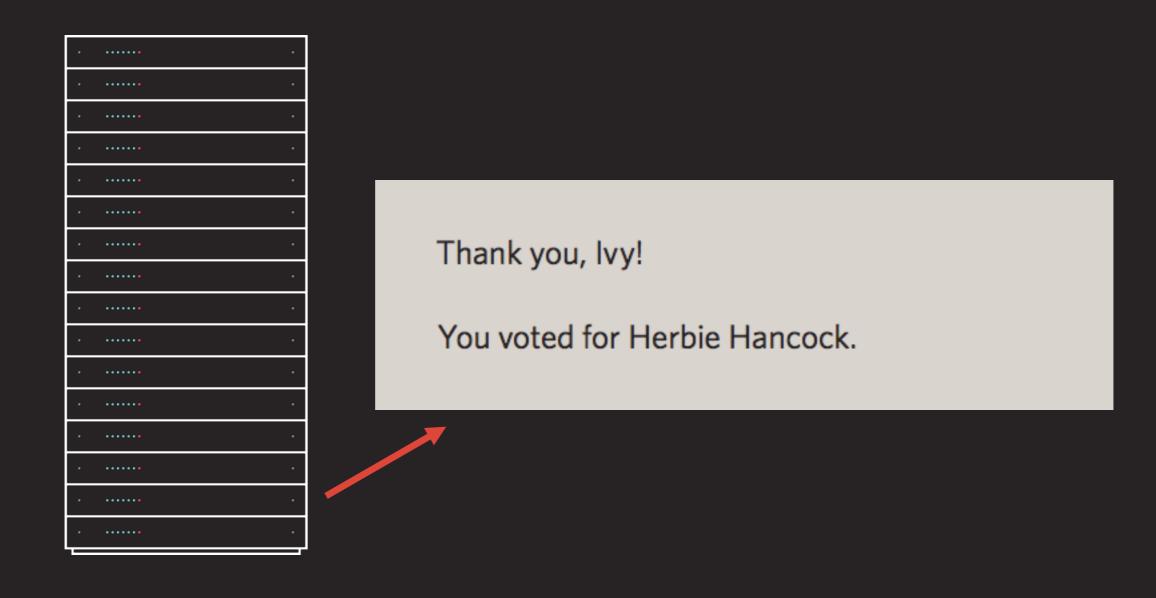
1: User fills in form and presses button to submit info to server

HOW FORMS WORK

2: Name of each form control sent with value user entered

HOW FORMS WORK

3: Server processes information using programming language

HOW FORMS WORK

Thank you, Ivy!

You voted for Herbie Hancock.

4: Server creates new page to send back to the browser based on info received

NAME & VALUE PAIRS

```
username=Ivy
```

NAME & VALUE PAIRS

NAME

username=Ivy

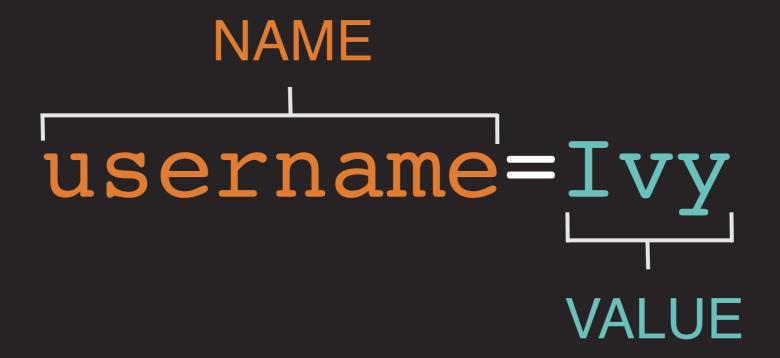# NAME & VALUE PAIRS

NAME

username=Ivy

VALUE

FORM STRUCTURE

```html
<form
    action="http://example.com/join.php"
    method="get">

    This is where the form controls
    will appear.

</form>
```

FORM STRUCTURE

```html
<form
    action="http://example.com/join.php"
    method="get">

    This is where the form controls
    will appear.

</form>
```

FORM STRUCTURE

```html
<form
    action="http://example.com/join.php"
    method="get">

    This is where the form controls
    will appear.

</form>
```

TEXT INPUT

```html
<form
 action="http://example.com/join.php">

  <input type="text" name="username"
         size="15" maxlength="30" />

</form>
```

TEXT INPUT

```html
<form
 action="http://example.com/join.php">

  <input type="text" name="username"
         size="15" maxlength="30" />

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</form>
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TEXT INPUT

```html
<form
 action="http://example.com/join.php">

  <input type="text" name="username"
         size="15" maxlength="30" />

</form>
```

Username: [   ]

PASSWORD

```html
<p>Username:
 <input type="text" name="username"
        size="15" maxlength="30" />
</p>

<p>Password:
 <input type="password" name="password"
        size="15" maxlength="30" />
</p>
```

PASSWORD

```html
<p>Username:
 <input type="text" name="username"
        size="15" maxlength="30" />
</p>

<p>Password:
 <input type="password" name="password"
        size="15" maxlength="30" />
</p>
```

Username: Ivy

Password: ••••••••

TEXTAREA

```html
<p>What did you think of this gig?</p>

<textarea name="comments"
    cols="20" rows="4">
    Enter your comments...
<textarea/>
```

TEXTAREA

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<p>What did you think of this gig?</p>

<textarea name="comments"
   cols="20" rows="4">
   Enter your comments...
<textarea/>
```

TEXTAREA

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<p>What did you think of this gig?</p>

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TEXTAREA

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<p>What did you think of this gig?</p>

<textarea name="comments"
    cols="20" rows="4">
    Enter your comments...
<textarea/>
```

What did you think of this gig?

Enter your comments...

RADIO BUTTON

```html
<p>Your favorite genre:<br />

 <input type="radio" name="genre"
   value="rock" checked="checked" /> Rock

 <input type="radio" name="genre"
   value="pop"   /> Pop

 <input type="radio" name="genre"
   value="jazz" /> Jazz

</p>
```

HTML

RADIO BUTTON

```html
<p>Your favorite genre:<br />

 <input type="radio" name="genre"
   value="rock" checked="checked" /> Rock

 <input type="radio" name="genre"
   value="pop"  /> Pop

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</p>
```

RADIO BUTTON

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<p>Your favorite genre:<br />

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 <input type="radio" name="genre"
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</p>
```

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<p>Your favorite genre:<br />

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 <input type="radio" name="genre"
    value="pop"   /> Pop

 <input type="radio" name="genre"
    value="jazz" /> Jazz

</p>
```

RADIO BUTTON

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<p>Your favorite genre:<br />

 <input type="radio" name="genre"
   value="rock" checked="checked" /> Rock

 <input type="radio" name="genre"
   value="pop"   /> Pop

 <input type="radio" name="genre"
   value="jazz" /> Jazz

</p>
```

Please select your favorite genre:
◉ Rock ○ Pop ○ Jazz

CHECKBOX

```html
<p>Your favorite music service:<br />
 <input type="checkbox" name="service"
  value="iTunes"
  checked="checked" /> iTunes

 <input type="checkbox" name="service"
  value="Last.fm" /> Last.fm

 <input type="checkbox" name="service"
  value="Spotify" /> Spotify
</p>
```

CHECKBOX

```html
<p>Your favorite music service:<br />
 <input type="checkbox" name="service"
  value="iTunes"
  checked="checked" /> iTunes

 <input type="checkbox" name="service"
  value="Last.fm" /> Last.fm

 <input type="checkbox" name="service"
  value="Spotify" /> Spotify
</p>
```

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<p>Your favorite music service:<br />
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  checked="checked" /> iTunes

 <input type="checkbox" name="service"
  value="Last.fm" /> Last.fm

 <input type="checkbox" name="service"
  value="Spotify" /> Spotify
</p>
```

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   value="Spotify" /> Spotify
</p>
```

CHECKBOX

```html
<p>Your favorite music service:<br />
 <input type="checkbox" name="service"
  value="iTunes"
  checked="checked" /> iTunes

 <input type="checkbox" name="service"
  value="Last.fm" /> Last.fm

 <input type="checkbox" name="service"
  value="Spotify" /> Spotify
</p>
```

Your favorite music service:
☑ iTunes ☐ Last.fm ☐ Spotify

DROP DOWN LIST BOX

```html
<select name="devices">

 <option value="iPod"
  selected="selected">iPod</option>

 <option value="radio">Radio</option>

 <option value="PC">Computer</option>

</select>
```

DROP DOWN LIST BOX

```html
<select name="devices">

 <option value="iPod"
  selected="selected">iPod</option>

 <option value="radio">Radio</option>

 <option value="PC">Computer</option>

</select>
```

DROP DOWN LIST BOX

```html
<select name="devices">

  <option value="iPod"
   selected="selected">iPod</option>

  <option value="radio">Radio</option>

  <option value="PC">Computer</option>

</select>
```

DROP DOWN LIST BOX

```html
<select name="devices">

 <option value="iPod"
  selected="selected">iPod</option>

 <option value="radio">Radio</option>

 <option value="PC">Computer</option>

</select>
```

DROP DOWN LIST BOX

```html
<select name="devices">

 <option value="iPod"
  selected="selected">iPod</option>

 <option value="radio">Radio</option>

 <option value="PC">Computer</option>

</select>
```

DROP DOWN LIST BOX

```html
<select name="devices">

 <option value="iPod"
   selected="selected">iPod</option>

 <option value="radio">Radio</option>

 <option value="PC">Computer</option>

</select>
```
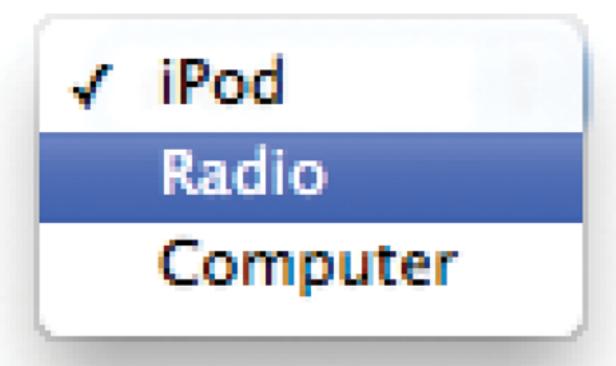
✓ iPod

Radio

Computer

MULTIPLE SELECT BOX

```html
<select name="devices" size="4">

 <option value="guitar"
   selected="selected">Guitar</option>
 <option value="drums">Drums</option>
 <option value="keys"
  selected="selected">Keyboard</option>
 <option value="bass">Bass</option>

</select>
```

HTML

MULTIPLE SELECT BOX

```html
<select name="devices" size="4">

 <option value="guitar"
   selected="selected">Guitar</option>
 <option value="drums">Drums</option>
 <option value="keys"
  selected="selected">Keyboard</option>
 <option value="bass">Bass</option>

</select>
```

HTML

FILE INPUT BOX

```html
<form action="http://eg.com/upload.php"
      method="post">

  <p>Upload your song in MP3 format:</p>

  <input type="file" name="user-song" />

  <input type="submit" value="upload" />

</form>
```

FILE INPUT BOX

```html
<form action="http://eg.com/upload.php"
      method="post">

  <p>Upload your song in MP3 format:</p>

  <input type="file" name="user-song" />

  <input type="submit" value="upload" />

</form>
```

FILE INPUT BOX

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<form action="http://eg.com/upload.php"
      method="post">

 <p>Upload your song in MP3 format:</p>

 <input type="file" name="user-song" />

 <input type="submit" value="upload" />

</form>
```

FILE INPUT BOX

```html
<form action="http://eg.com/upload.php"
     method="post">

 <p>Upload your song in MP3 format:</p>

 <input type="file" name="user-song" />

 <input type="submit" value="upload" />

</form>
```

Upload your song in MP3 format:

Browse…

Upload

SUBMIT BUTTON

```html
<form action="http://eg.com/email.php">
 <p>Subscribe to our email list:</p>

 <input type="text" name="email" />

 <input type="submit"
        value="Subscribe" />

</form>
```

SUBMIT BUTTON

```html
<form action="http://eg.com/email.php">
 <p>Subscribe to our email list:</p>

 <input type="text" name="email" />

 <input type="submit"
        value="Subscribe" />

</form>
```

SUBMIT BUTTON

```html
<form action="http://eg.com/email.php">
 <p>Subscribe to our email list:</p>

 <input type="text" name="email" />

 <input type="submit"
        value="Subscribe" />

</form>
```

Subscribe to our email list:

Subscribe

IMAGE BUTTON

```html
<form action="http://eg.com/email.php">
  <p>Subscribe to our email list:</p>

  <input type="text" name="email" />

  <input type="image"
     src="images/subscribe.jpg"
     width="100" height="20" />

</form>
```

IMAGE BUTTON

```html
<form action="http://eg.com/email.php">
 <p>Subscribe to our email list:</p>

 <input type="text" name="email" />

 <input type="image"
    src="images/subscribe.jpg"
    width="100" height="20" />

</form>
```

IMAGE BUTTON

```html
<form action="http://eg.com/email.php">
 <p>Subscribe to our email list:</p>

 <input type="text" name="email" />

 <input type="image"
    src="images/subscribe.jpg"
    width="100" height="20" />

</form>
```

IMAGE BUTTON

```
<form action="http://eg.com/email.php">
 <p>Subscribe to our email list:</p>

 <input type="text" name="email" />

 <input type="image"
    src="images/subscribe.jpg"
    width="100" height="20" />

</form>
```

Subscribe to our email list:

[ ] SUBSCRIBE

BUTTONS

```html
<form action="http://eg.com/add.php">

  <button>
    <img src="images/add.gif" alt="add"
     width="10" height="20" />
  </button>

</form>
```

BUTTONS

```
<form action="http://eg.com/add.php">

 <button>
   <img src="images/add.gif" alt="add"
    width="10" height="20" />
 </button>

</form>
```

BUTTONS

```html
<form action="http://eg.com/add.php">

 <button>
   <img src="images/add.gif" alt="add"
    width="10" height="20" />
 </button>

</form>
```

HIDDEN FORM CONTROLS

```html
<form action="http://eg.com/add.php">

  <button>
    <img src="images/add.gif" alt="add"
     width="10" height="20" /></button>

  <input type="hidden" name="bookmark"
    value="lyrics" />

</form>
```

HIDDEN FORM CONTROLS

```html
<form action="http://eg.com/add.php">

 <button>
   <img src="images/add.gif" alt="add"
    width="10" height="20" /></button>

 <input type="hidden" name="bookmark"
   value="lyrics" />

</form>
```

HIDDEN FORM CONTROLS

```html
<form action="http://eg.com/add.php">

  <button>
    <img src="images/add.gif" alt="add"
     width="10" height="20" /></button>

  <input type="hidden" name="bookmark"
    value="lyrics" />

</form>
```

HIDDEN FORM CONTROLS

```html
<form action="http://eg.com/add.php">

  <button>
    <img src="images/add.gif" alt="add"
     width="10" height="20" /></button>

  <input type="hidden" name="bookmark"
    value="lyrics" />

</form>
```

LABELLING FORM CONTROLS

```html
<form action="http://eg.com/email.php">
 <label>Age:
  <input type="text" name="Age" /></label>
 Gender:
 <input id="female" type="radio"
     name="gender" value="f" />
 <label for="female">Female</label>
 <input id="male" type="radio"
     name="gender" value="m" />
 <label for="female">Male</label>
</form>
```

LABELLING FORM CONTROLS

```html
<form action="http://eg.com/email.php">
 <label>Age:
  <input type="text" name="Age" /></label>
 Gender:
 <input id="female" type="radio"
    name="gender" value="f" />
 <label for="female">Female</label>
 <input id="male" type="radio"
    name="gender" value="m" />
 <label for="female">Male</label>
</form>
```

LABELLING FORM CONTROLS

```html
<form action="http://eg.com/email.php">
 <label>Age:
  <input type="text" name="Age" /></label>
 Gender:
 <input id="female" type="radio"
    name="gender" value="f" />
 <label for="female">Female</label>
 <input id="male" type="radio"
    name="gender" value="m" />
 <label for="female">Male</label>
</form>
```

LABELLING FORM CONTROLS

```html
<form action="http://eg.com/email.php">
 <label>Age:
  <input type="text" name="Age" /></label>
 Gender:
 <input id="female" type="radio"
     name="gender" value="f" />
 <label for="female">Female</label>
 <input id="male" type="radio"
     name="gender" value="m" />
 <label for="female">Male</label>
</form>
```

Age: [   ]
Gender: ○ Female ○ Male

GROUPING FORM ELEMENTS

```html
<fieldset>
 <legend>Contact details</legend>
 <label>Email:<br />
 <input type="text" name="email"></label>
 <br />
 <label>Mobile:<br />
 <input type="text" name="mobile"></label>
 <br />
 <label>Telephone:<br />
 <input type="text" name="tel"></label>
</fieldset>
```

GROUPING FORM ELEMENTS

```html
<fieldset>
 <legend>Contact details</legend>
 <label>Email:<br />
 <input type="text" name="email"></label>
 <br />
 <label>Mobile:<br />
 <input type="text" name="mobile"></label>
 <br />
 <label>Telephone:<br />
 <input type="text" name="tel"></label>
</fieldset>
```

GROUPING FORM ELEMENTS

```html
<fieldset>
 <legend>Contact details</legend>
 <label>Email:<br />
 <input type="text" name="email"></label>
 <br />
 <label>Mobile:<br />
 <input type="text" name="mobile"></label>
 <br />
 <label>Telephone:<br />
 <input type="text" name="tel"></label>
</fieldset>
```

Contact details

Email:

Mobile:

Telephone:

HTML5: FORM VALIDATION

```html
<label for="username">Username:</label>
<input type="text" name="username"
 required="required" />

<label for="password">Password:</label>
<input type="password" name="password"
 required="required" />

<input type="submit" value="Submit" />
```

HTML5: FORM VALIDATION

```html
<label for="username">Username:</label>
<input type="text" name="username"
  required="required" />

<label for="password">Password:</label>
<input type="password" name="password"
  required="required" />

<input type="submit" value="Submit" />
```

HTML5: DATE INPUT

```html
<label for="date">Departure date:</label>

<input type="date" name="depart"
  id="date" />

<input type="submit" value="Submit" />
```

HTML5: DATE INPUT

```html
<label for="date">Departure date:</label>

<input type="date" name="depart"
 id="date" />

<input type="submit" value="Submit" />
```

Departure date: `2011-06-27` [Submit]

HTML5: EMAIL & URL INPUT

```html
<input type="email" name="email" />

<input type="url" name="website" />
```

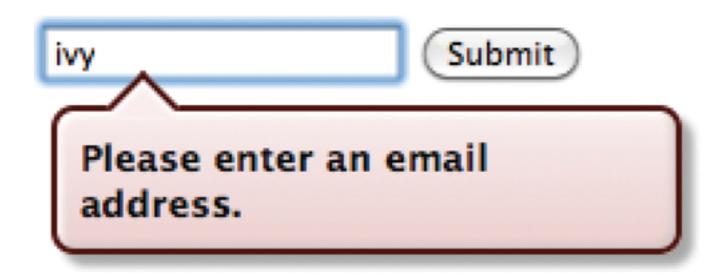# HTML5: EMAIL & URL INPUT

```html
<input type="email" name="email" />

<input type="url" name="website" />
```

HTML5: EMAIL & URL INPUT

```html
<input type="email" name="email" />

<input type="url" name="website" />
```

Please enter your email address:

ivy   Submit

Please enter an email address.

Please enter your website address:

ivy   Submit

Please enter a URL.

HTML5: SEARCH INPUT

```html
<input type="search" name="search"
 placeholder="Enter keyword" />

<input type="submit" value="Search" />
```

HTML5: SEARCH INPUT

```html
<input type="search" name="search"
 placeholder="Enter keyword" />

<input type="submit" value="Search" />
```

HTML5: SEARCH INPUT

```html
<input type="search" name="search"
 placeholder="Enter keyword" />

<input type="submit" value="Search" />
```

Search:

Thelonius   ⊗   Search

SUMMARY

Whenever you want to collect information from visitors you will need a form, which lives inside a `<form>` element.

SUMMARY

Information from a form is sent in name/value pairs.

SUMMARY

Each form control is given a name, and the text the user types in or the values of the options they select are sent to the server.

SUMMARY

HTML5 introduces new form elements which make it easier for visitors to fill in forms.

http://www.htmlandcssbook.com/code/chapter-07/example.html

Your Details:

Name:

Email:

Your Review:

How did you hear about us? Google

Would you visit again?
○ Yes ○ No ○ Maybe

Comments:

☑ Sign me up for email updates

Submit review