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:
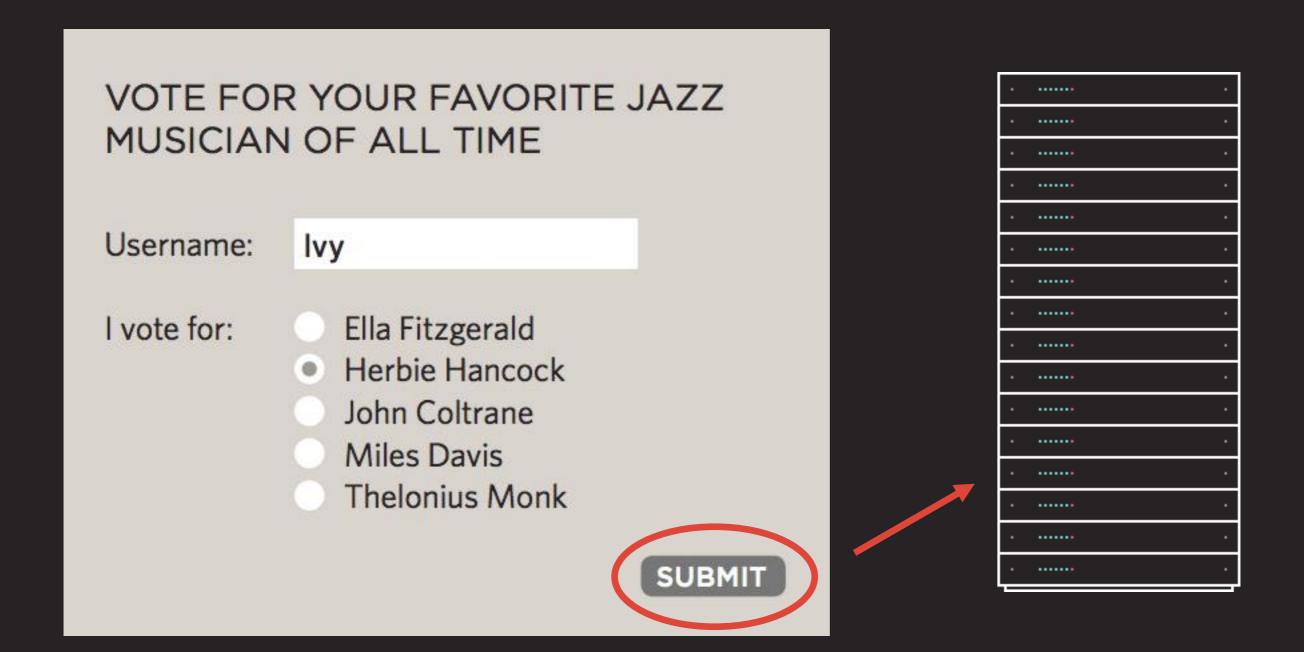
Submit buttons

Subscribe

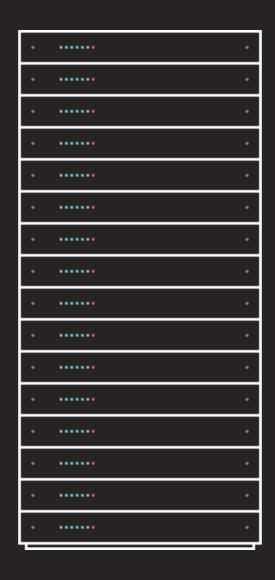Image buttons

SUBSCRIBE

UPLOADING FILES:

File upload

Browse...

Upload

HOW FORMS WORK
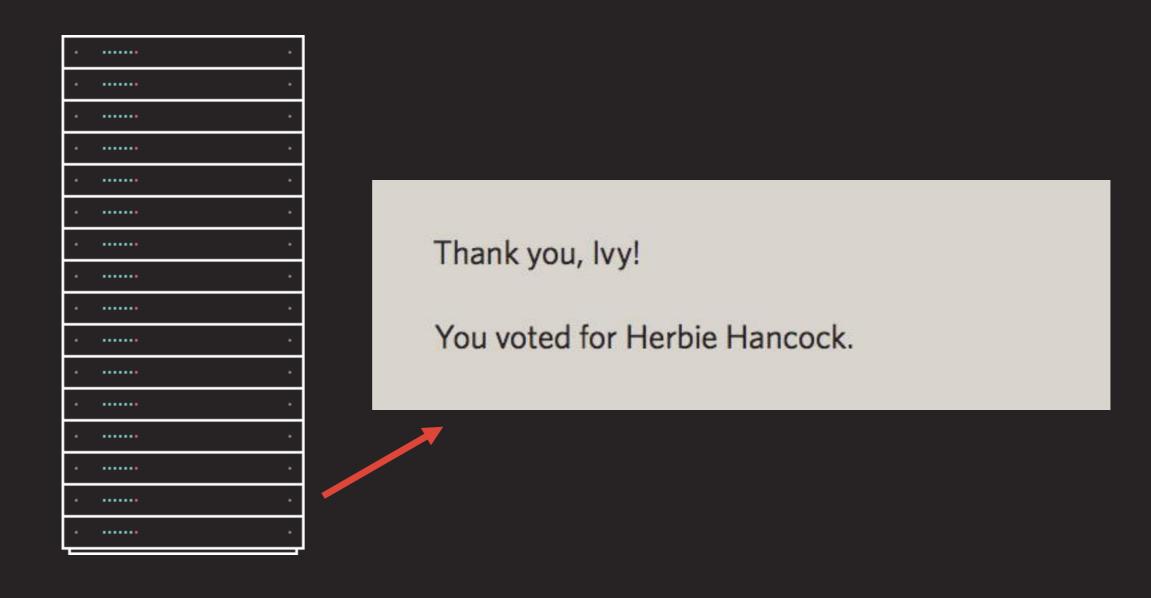

1: User fills in form and presses button to submit info to server

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.

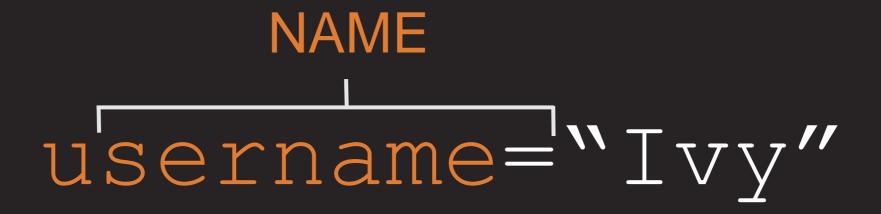**4: Server creates new page to send back to the browser based on info received**
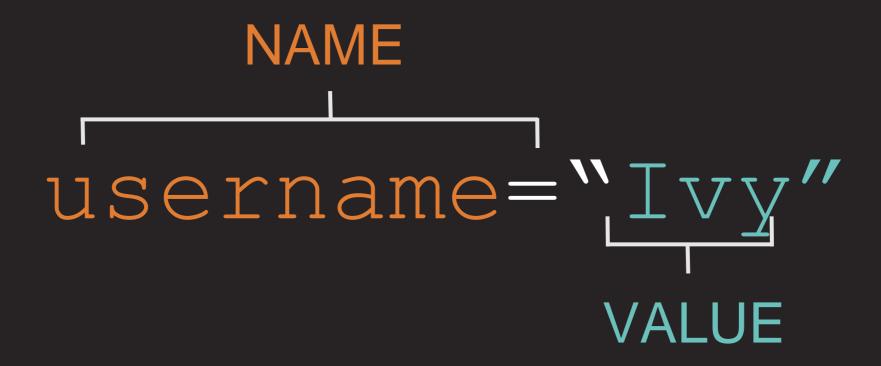
NAME & VALUE PAIRS

username="Ivy"

NAME & VALUE PAIRS

NAME

username="Ivy"

NAME & VALUE PAIRS

NAME

username="Ivy"

VALUE

FORM STRUCTURE

```
<form
    action="mailto:gurkewitzr@wcsu.edu"
    method="get">

    This is where the form controls
    will appear.

</form>
```

FORM STRUCTURE

```
<form
    action="mailto:gurkewitzr@wcsu.edu"
    method="get">

    This is where the form controls
    will appear.   Several different
    controls are created with the input
    element The action attribute shows the
    page the form is sent to

</form>
```

TEXT INPUT

```
<form
 action="mailto:gurkewitzr@wcsu.edu"
 method="post">

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

</form>
```

TEXT INPUT

```
<form
 action="mailto:gurkewitzr@wcsu.edu"
       method = "post">
 Username:
 <input type="text" name="username"
        size="15" maxlength="30" />

</form>
```

Username: [   ]

PASSWORD

```
<form action="mailto:gurkewitzr@wcsu.edu"
method="get">
<p>Username:
 <input type="text" name="username"
        size="15" maxlength="30" />
</p>

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

Username: Ivy

Password: ••••••••

TEXTAREA

```html
<form action="mailto:gurkewitzr@wcsu.edu"
method="get">
<p>What did you think of this gig?</p>

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

What did you think of this gig?

Enter your comments...

RADIO BUTTON

```
Note: all names in a group are same so
they work together
<form action="mailto:gurkewitzr@wcsu.edu"
method="get">
<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></form>
```

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

CHECKBOX

```
Note: all names same for a group

<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

```
<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>
```

CHECKBOX

```
<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

```
<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

```
<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>
```

MULTIPLE SELECT BOX

```
<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>
```

MULTIPLE SELECT BOX

```
<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>
```

Guitar
Drums
Keyboard
Bass

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" />

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```

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>
```

Upload your song in MP3 format:

Browse…

Upload

SUBMIT BUTTON

```html
<form action=mailto:gurkewitzr@wcsu.edu
      method="post">
  <p>Subscribe to our email list:</p>

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

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

</form>
```

SUBMIT BUTTON

```
<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

Subscribe to our email list:

SUBSCRIBE

BUTTONS

```html
<form action="mailto:gurkewitzr@wcsu.edu">

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

</form>
```

BUTTONS

```
<form action="mailto:gurkewitzr@wcsu.edu">

  <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>
```

+ Add

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

```
<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

```
<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

```
<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:

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.

Forms

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

┌─ 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]
└──

MacBook Pro