Announcements

- **Project #4 due Thursday next week**
- **Please bring laptops on Monday**

Labels

Use the `label` tag to apply a text label to a control

Advantages:

- All labels in the form will look consistent
- The label itself is "clickable"
- You can apply CSS rules to all labels simultaneously

Left side label:

```
<label>Name: <input type="text" /></label>
```

Name: [   ]

Right side label:

```
<label><input type="text" />Name</label>
```

[   ] Name

Example: Labels.html

FieldSet and Legend

Surround portions of your form with "FieldSet" to group them visually:

```
<fieldset>
        <input… />
        <input… />
</fieldset>
```

Use the <legend> tag to give the section a legend at the top

```
<fieldset>
    <legend>User Info</legend>
    <input … />
    <input … />
</fieldset>
```

Example: FieldSet.html

Submitting User Information to a Server

- **Frequently user data must be sent to a server for processing**
    1. **Data from a form gets submitted to "server side program"**
    2. **Server program sends back a response page**
- **Typical Uses:**
    - **Order information**
    - **Storing user data in a database**
    - **Information on server is needed to respond to user input**
- **We are not covering "server side" programming!**
    - **I have written some very simple server side programs for our examples**
    - **You can learn this yourself! (Find an introductory book on PHP, JSP, ASP, etc.   May also want to explore MySQL.)**

Setting up a Form for Submission

1. **Add `action` and `method` attributes to your form tag:**

    ```
    <form
     action="http://www.mysite.com/myServerProgram.jsp"
     method="get">
    ```

2. **Give each control a `name` attribute:**

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

3. **Add a `submit` control**

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

Example: FormSubmissionGet.html
**   FormAcceptProgramGet.php**

Action: get vs. post

Two ways to submit form data to a server-side program:

1. GET

- **Form data becomes part of URL:**

  http://myhost.com/myscript.jsp?userID=FredSmith&orderNumber=27392

- **Advantage: URL can be bookmarked**
- **Disadvantage: Ugly URL with visible form data**

2. POST

- **Form data is embedded in the HTTP header**
- **Advantage: Form data is hidden from sight (but still not secure!)**

Example: FormSubmissionGet.html

FormAcceptProgramGet.php

QUIZ #4