

LAB 04

CREATING FORMS

Forms provide the user with an alternative way to interact with a web server. Up to now, clicking hyperlinks was the only mechanism available to the user for communicating with the server. Forms provide a much richer mechanism. Using a form, the user can enter text, choose items from lists, and click buttons. Typically programs running on the server will take the input from HTML forms and do something with it, such as save it in a database, interact with an external web service, or customize subsequent HTML based on that input.

A form is constructed in HTML in the same manner as tables or lists: that is, using special HTML elements.

Exercise 5.. — CREATING A FORM

- 1 Open lab04-ex1.html in text editor.
- 2 Add the following to the <body> of the document.

```
<form method="get" action="">
  <fieldset>
    <legend>Details</legend>
    <p>
      <label>Title: </label>
      <input type="text" name="title" />
    </p>
    <p>
      <label>Country: </label>
      <select name="where">
        <option>Choose a country</option>
        <option>Canada</option>
        <option>Finland</option>
        <option>United States</option>
      </select>
    </p>
  </fieldset>
</form>
```

```

        </p>
        <input type="submit" />
    </fieldset>
</form>

```

- 3 Test in browser.

Exercise 5.. — TESTING A FORM

- 1 Open lab04-ex1.html in text editor.
- 2 Modify the <form> element as follows then test.

```
<form method="get" action="http://www.randyconnolly.com/tests/process.php">
```

This sample PHP script on the book's web site simply echoes back any form data in the request.

- 3 Modify the <form> element as follows then test.

```
<form method="post"
      action="http://www.randyconnolly.com/tests/process.php">
```

FORM CONTROLS

Exercise 5.. — TEXT CONTROLS

- 1 Open and examine lab04-ex1.html.
- 2 Modify the form as follows and test.

```

<p>
  <label>Title: </label><br/>
  <input type="text" name="title" />
</p>
<p>
  <label>Password: </label><br/>
  <input type="password" name="pass" size="8"/>
</p>
<p>
  <label>Email: </label><br/>
  <input type="email" name="email" size="45"/>
</p>
<p>
  <label>Website: </label><br/>
  <input type="url" name="website" size="45"/>
</p>
<p>
  <label>Description: </label><br/>
  <textarea placeholder="enter a description" rows="5"
    cols="45"></textarea>
</p>

```

Exercise 5.. — CHOICE CONTROLS

- 1 Open and examine lab01-ex1.html.
- 2 Modify the form as follows and test (be sure to submit form).

```
<p>
  <label>Countries: </label><br/>
  <select name="country">
    <option>Australia</option>
    <option>Canada</option>
    <option>France</option>
    <option>Sweden</option>
    <option>Thailand</option>
    <option>United States</option>
  </select>
</p>
<p>
  <label>Continent: </label><br/>
  <select size="4" name="continent">
    <option value="NA">North America</option>
    <option value="EU">Europe</option>
    <option value="AS">Asia</option>
    <option value="SA">South America</option>
  </select>
</p>
<p>
  <label>City: </label><br/>
  <select name="city">
    <optgroup label="North America">
      <option>Calgary</option>
      <option>Los Angeles</option>
    </optgroup>
    <optgroup label="Europe">
      <option>London</option>
      <option>Paris</option>
      <option>Prague</option>
    </optgroup>
  </select>
</p>
<p>
  <label>Gender of Traveler: </label><br/>
  <input type="radio" name="gender" value="1">Female<br/>
  <input type="radio" name="gender" value="2">Male<br/>
</p>
<p>
  <label>How did you hear about the site: </label><br/>
  <input type="checkbox" name="hear" value="email">Email<br/>
  <input type="checkbox" name="hear" value="friend">Friend<br/>
  <input type="checkbox" name="hear" value="website">Website
</p>
```

Exercise 5.. — BUTTON CONTROLS

- 1 Open and examine lab01-ex1.html.

- 2 Modify the form as follows and test.

```

<p>
  <input type="button" value="Click Me" />
  <input type="image" src="images/yes16.png" />
  <input type="image" src="images/no16.png" />
</p>
<p>
  <button>
    <a href="#">
      
      Yes
    </a>
  </button>
  <button>
    
    No
  </button>
</p>
<p>
  <input type="submit" />
  <input type="reset" />
</p>

```

Exercise 5.. — SPECIALIZED CONTROLS

- 1 Open and examine lab04-ex1.html.
- 2 Modify the form as follows and test (be sure to submit form).

```

<p>
  <label>Rate this photo: </label><br/>
  <input type="number" min="1" max="5" name="rate" />
</p>
<p>
  Happiness Rating: Grumpy
  <input type="range" min="0" max="10" step="1" name="happiness" />
  Ecstatic
</p>
<p>
  <label>Companion Color: </label><br/>
  <input type="color" name="back" />
</p>

```

Note: not every browser supports all of these controls.

Exercise 5.. — DATE AND TIME CONTROLS

- 1 Open and examine lab05-ex1.html.
- 2 Modify the form as follows and test (be sure to submit form).

```

<p>
  <label>Date of photo: </label><br/>
  <input type="date" name="photodate" />
</p>

```

```
<p>
  <label>Time of photo: </label><br/>
  <input type="time" name="phototime" />
</p>
<p>
  <label>Date and time of photo: </label><br/>
  <input type="datetime" name="photodatetime" />
</p>
<p>
  <label>Week of photo: </label><br/>
  <input type="week" name="photoweek" />
</p>
```

Note: not every browser supports all of these controls.