Hands On: Using Controls that Allow Specifying Options

In this lesson, we will learn how to use controls that allow specifying options. Let's begin!

EXERCISE 4-2: Making a conference registration form with controls

We will continue working in the Exercise-04-01 folder.

```
<!DOCTYPE html>
<html>
<head>
  <title>Conference Registration</title>
  <link href="style.css" rel="stylesheet" />
</head>
<body>
  <h2>Fill in this form to register to Visual Studio Smarts Conference</h2>
  <form action="#">
```

```
    <fieldset>
      <legend>Personal Data</legend>
      <label for="fname">First Name:</label>

      <input id="fname" type="text" name="fname" />
      <br />
      <label for="lname">Last Name:</label>
      <input id="lname" type="text" name="lname" />
      <br />
      <label for="email">Email:</label>
      <input id="email" type="text" name="email" />
      <br />
    </fieldset>
    <fieldset>
      <legend>Your Conference Account</legend>
      <label for="login">Login name:</label>
      <input id="login" type="text" name="login" />
      <br />
      <label for="pwd">Password:</label>
      <input id="pwd" type="password" name="pwd" />
      <br />
      <label for="pwd2">Confirm Password:</label>
      <input id="pwd2" type="password" name="pwd2" />
      <br />
    </fieldset>
    <fieldset>
      <legend>Sessions</legend>
        <p>What do you expect from sessions?</p>
        <textarea id="comments" rows="3" cols="50"
          name="comments">
        </textarea>
      </fieldset>
    <input type="submit" value="Register" />
  </form>
</body>
</html>
```

To add new controls to the form you created in the previous exercise, follow
these steps:

Step 1:

Open the index.html file and add the `autofocus` attribute to the input field
with the `fname` identifier:

```
<input id="fname" type="text" name="fname"
  autofocus />
```

Step 2:

Insert the following markup right after the "Personal Data" `<legend>`:

```
<label for="salutation">Salutation</label>
<select id="salutation" name="salutation">
```

```
    <option label="" value="" />
    <option label="Mr." value="Mr." selected />
    <option label="Mrs." value="Mrs." />

    <option label="Ms." value="Ms." />
    <option label="Dr." value="Dr." />
</select>
<br />
```
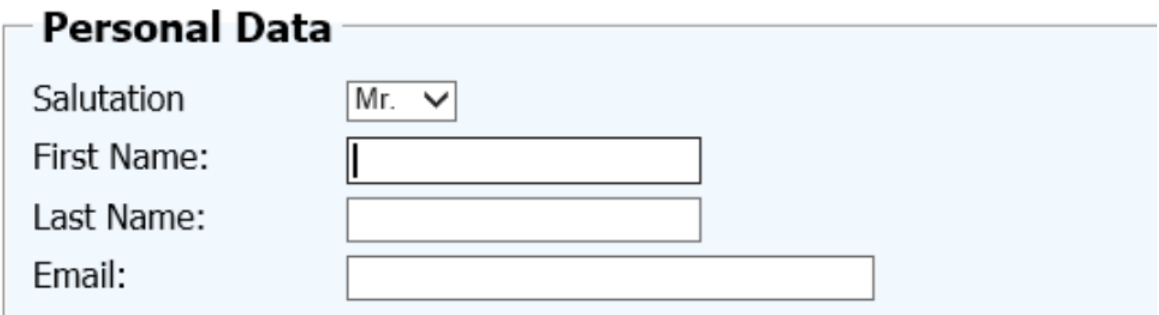
Step 3

Run the app. When the form is displayed, the caret is automatically positioned into the First Name field. Right above this field there is a dropdown list with the item "Mr." selected, as shown in the image below:

A dropdown list added to the form

Step 4:

Turn back to the code editor and add this markup right before the first closing `</fieldset>` tag of the "Personal Data" section:

```
<p>Your Smarts Membership status</p>
<label class="memberoption">
  <input type="radio" name="membership"
    value="none" />
  Not a member
</label>
<label class="memberoption">
  <input type="radio" name="membership"
    value="silver" />
  Silver member
</label>
<label class="memberoption">
  <input type="radio" name="membership"
    value="gold" checked />
  Gold member
</label>
<br />
<a href="#">Read more about Smarts membership</a>
```

Step 5:

As a result of this markup, you can observe three membership options with the third one checked.

Your Smarts Membership status

○ Not a member   ○ Silver member   ⦿ Gold member
Read more about Smarts membership

Radio buttons that specify membership options

Step 6:

Insert this markup right after the `<legend>` of the last (third) `<fieldset>`:

```
<p>What are the tracks you are interested in?</p>
<label>
  <input type="checkbox" name="dev" />
  Development
</label>
<label>
  <input type="checkbox" name="alm" />
  ALM
</label>
<label>
  <input type="checkbox" name="aspnet" />
  ASP.NET
</label>
<label>
  <input type="checkbox" name="csharp" />
  C#
</label>
<label>
  <input type="checkbox" name="vb" />
  Visual Basic
</label>
<label>
  <input type="checkbox" name="sql" />
  SQL
</label>
```

Step 7:

Run the app again and take a look at the six checkboxes in the Sessions section (image below). Check a few of them out.

Checkboxes

Step 8:

Add the checked attribute to the markup of the first checkbox:

```
<label for="dev">
  <input id="dev" type="checkbox" name="dev" checked />
  Development
</label>
```

Step 9:

Turn back to the browser and observe that now the first checkbox in the Session section is checked. Close the browser.

Complete live demo at your service!

The complete implementation of the exercise from the previous lesson is given below for you to play around and experiment with.

```
<!DOCTYPE html>
<html>
<head>
  <title>Conference Registration</title>
  <link href="style.css" rel="stylesheet" />
</head>
<body>
  <h2>Fill in this form to register to Visual Studio Smarts Conference</h2>
  <form action="#">
    <fieldset>
      <legend>Personal Data</legend>
      <label for="salutation">Salutation</label>
```

```html
    <select id="salutation" name="salutation">
      <option label="" value="" />
      <option label="Mr." value="Mr." selected />

      <option label="Mrs." value="Mrs." />
      <option label="Ms." value="Ms." />
      <option label="Dr." value="Dr." />
    </select>
    <br />
    <label for="fname">First Name:</label>
    <input id="fname" type="text" name="fname" autofocus />
    <br />
    <label for="lname">Last Name:</label>
    <input id="lname" type="text" name="lname" />
    <br />
    <label for="email">Email:</label>
    <input id="email" type="text" name="email" />
    <br />
    <p>Your Smarts Membership status</p>
    <label class="memberoption">
      <input type="radio" name="membership"
        value="none" />
      Not a member
    </label>
    <label class="memberoption">
      <input type="radio" name="membership"
        value="silver" />
      Silver member
    </label>
    <label class="memberoption">
      <input type="radio" name="membership"
        value="gold" checked />
      Gold member
    </label>
    <br />
    <a href="#">Read more about Smarts membership</a>
</fieldset>
<fieldset>
  <legend>Your Conference Account</legend>
  <label for="login">Login name:</label>
  <input id="login" type="text" name="login" />
  <br />
  <label for="pwd">Password:</label>
  <input id="pwd" type="password" name="pwd" />
  <br />
  <label for="pwd2">Confirm Password:</label>
  <input id="pwd2" type="password" name="pwd2" />
  <br />
</fieldset>
<fieldset>
  <legend>Sessions</legend>
  <p>What are the tracks you are interested in?</p>
  <label>
    <input type="checkbox" name="dev" checked />
    Development
  </label>
  <label>
    <input type="checkbox" name="alm" />
    ALM
  </label>
  <label>
    <input type="checkbox" name="aspnet" />
    ASP.NET
```

```
      </label>
      <label>
        <input type="checkbox" name="csharp" />

        C#
      </label>
      <label>
        <input type="checkbox" name="vb" />
        Visual Basic
      </label>
      <label>
        <input type="checkbox" name="sql" />
        SQL
      </label>
      <p>What do you expect from sessions?</p>
      <textarea id="comments" rows="3" cols="50"
        name="comments">
      </textarea>
    </fieldset>
    <input type="submit" value="Register" />
  </form>
</body>
</html>
```

In the *next lesson*, we will see how all the above works.