HTML Forms

User-submittable form

User-submittable form is specified by <form>.
The form is used to pass data to a server.

The action attribute

The server of the destination is specified by **the action attribute**.

```
<form action="http://www.example.com/form.cgi   (http://www.example.com/form.cgi) "></form>
```

The method attribute

The method attribute specifies the HTTP method with which a UA is meant to associate this element for form submission.

```
<form action="http://www.example.com/form.cgi   (http://www.example.com/form.cgi) " method="get"></form>
```

Form controls

The form element can contain some form-controls:

- input
- textarea
- radiobutton
- checkbox
- submit button
- select menu

... etc.

Form controls are included between <form> ... </form>.

Example:

```html
<form>
<table>
  <tr>
    <td>First name</td>
    <td><input type="text" id="fn"></td>
  </tr>
  <tr>
    <td>Last name</td>
    <td><input type="text" id="ln"></td>
  </tr>
  <tr>
    <td>Gender</td>
    <td>
      <input type="radio" id="m" name="gender">male<br/>
      <input type="radio" id="f" name="gender">female
    </td>
  </tr>
  <tr>
    <td>Phone number</td>
    <td><input type="tel" id="tel"></td>
  </tr>
  <tr>
    <td>E-mail</td>
    <td><input type="email" id="email"></td>
  </tr>
  <tr>
    <td>Kind of contact</td>
    <td>
      <select>
        <option value="ir">Interview Request</option>
        <option value="mq">Membership Questions</option>
        <option value="ilq">International Liaison Questions</option>
        <option value="tq">Technology Questions</option>
      </select>
    </td>
  </tr>
  <tr>
    <td>Comment</td>
    <td><textarea></textarea></td>
  </tr>
</table>
</form>
```

The Input element

The <input> element represents a typed data field, usually with a form control to allow the user to edit the data.

- The data type of the input elements are specified by the type attribute.
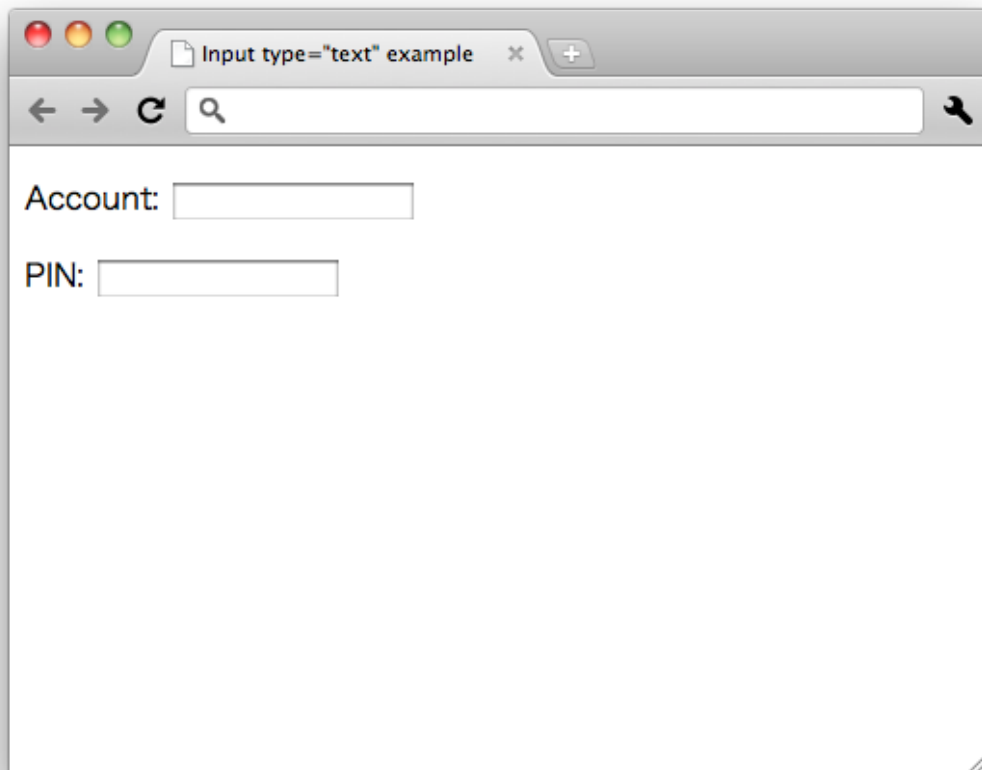 The following examples are typical kinds of the type attribute.

type="text"

The text state represents a one line plain text edit control for the element's value:

- Name
- User ID

... etc

```
Account: <input type="text"><br> PIN: <input type="text">
```
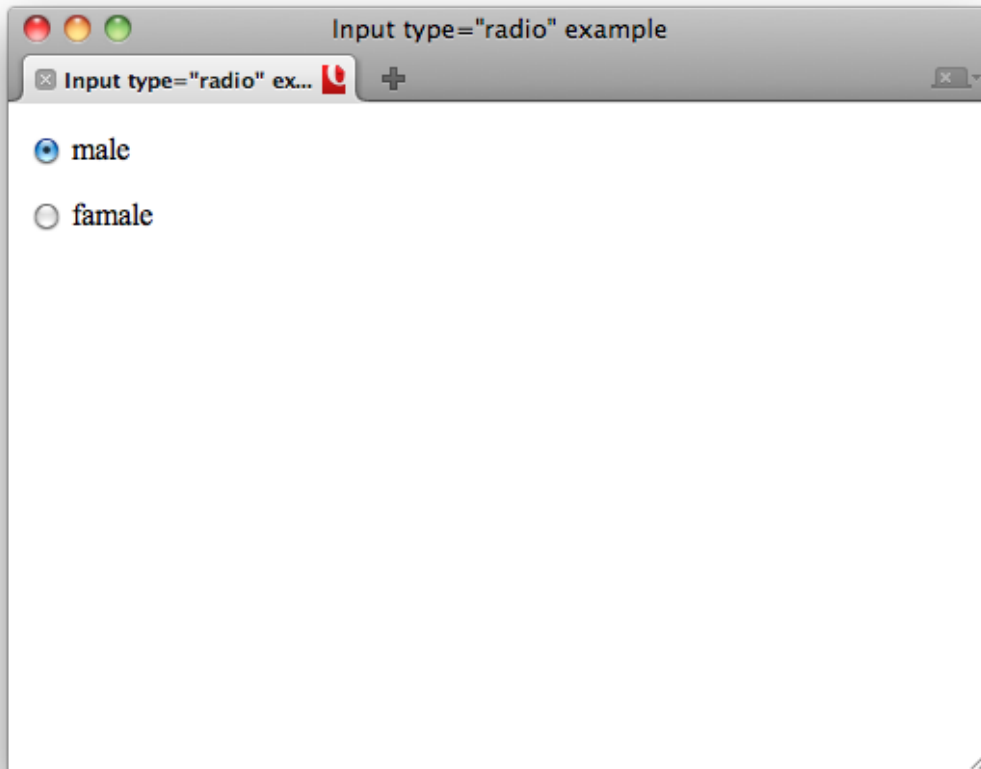
type="radio"

The radio button state represents a type attribute whose value is "radio" represents a selection of one item from a list of items:

- male or female
- single or married

... etc

The radio button groups are specified by the name attribute. The items that belong to the same radio group should have the same value of the name attribute.

```
<input type="radio" name="gender" value="m">male<br> <input type="radio" name="gender" value="f">female
```
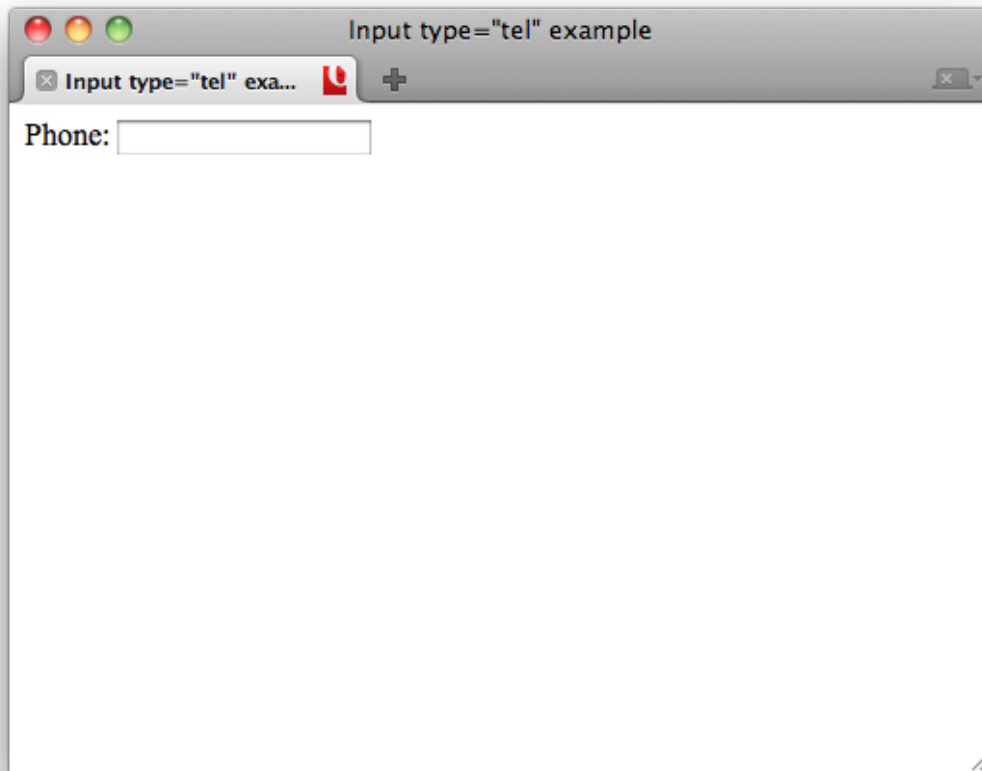

[(https://www.w3.org/community/webed/wiki/File:Input_radio01.png)](https://www.w3.org/community/webed/wiki/File:Input_radio01.png)

type="tel"

The telephone state represents a control for editing a telephone number given in the element's value.
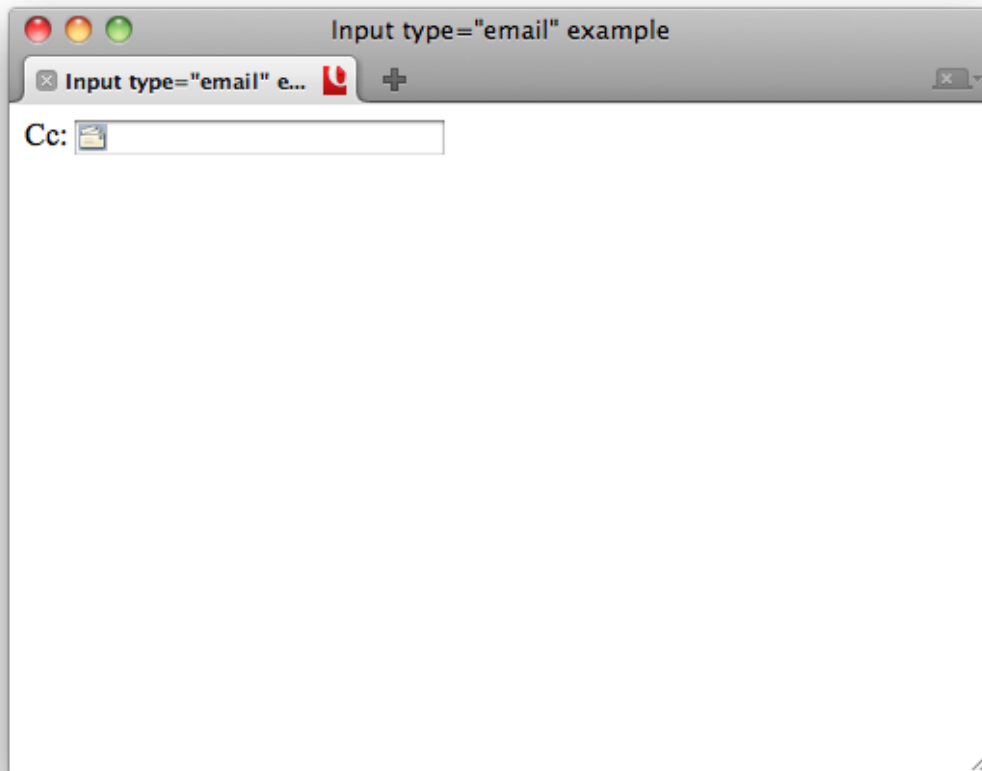
```
Phone: <input type="tel">
```

[(https://www.w3.org/community/webed/wiki/File:Input_tel01.png)](https://www.w3.org/community/webed/wiki/File:Input_tel01.png)

type="email"

The E-mail state represents a control for editing a list of e-mail addresses given in the element's value.

```
Cc: <input type="email">
```

The textarea element

The <textarea> element represents a multiline plain text edit control for the element's raw value.

- The cols attribute specifies the expected maximum number of characters per line. by defult, it is 20.
- The rows attribute specifies the number of lines to show. by defult, it is 2.

```
<textarea cols="80" rows="5"></textarea>
```

[(https://www.w3.org/community/webed/wiki/File:Textarea01.png)](https://www.w3.org/community/webed/wiki/File:Textarea01.png)

Select menu

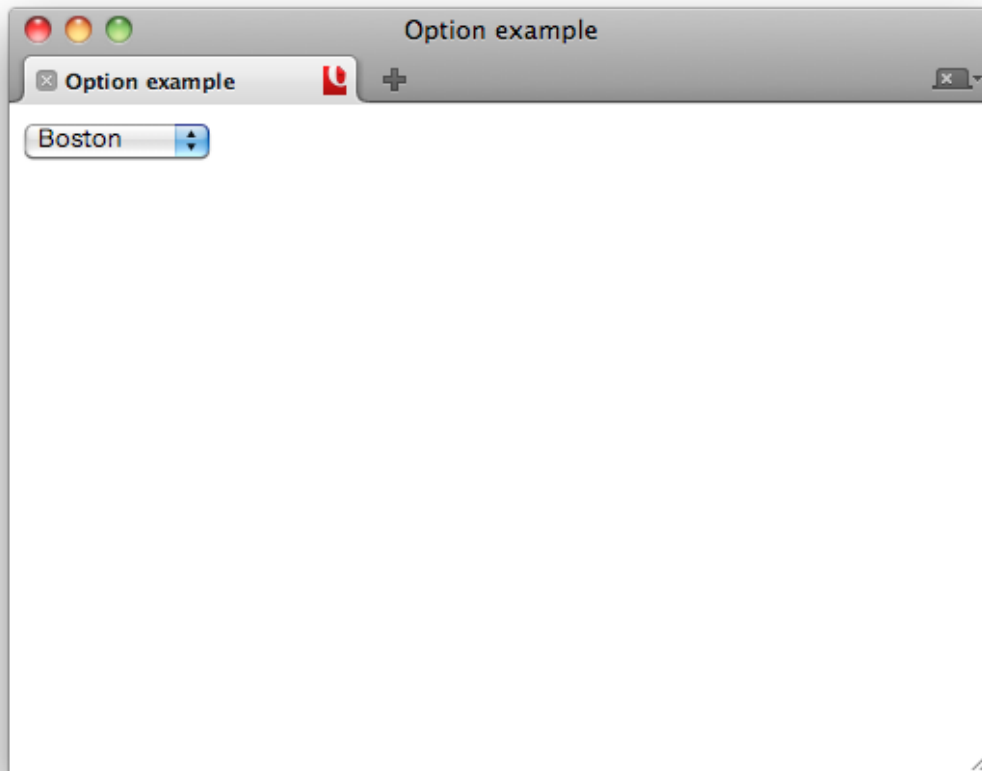The select menu is specified by <select> and <option>.

The select element

The <select> element represents a control for selecting amongst a set of options.

- The list of options for a select element consists of all the option element children of the select element.

The option element

The <option> element represents an option in a select element.

```
<select>
  <option>Boston</option>
  <option>New York</option>
</select>
```

[(https://www.w3.org/community/webed/wiki/File:Option01.png)](https://www.w3.org/community/webed/wiki/File:Option01.png)

Example:

1. A recruit application form.

[recruit.html]
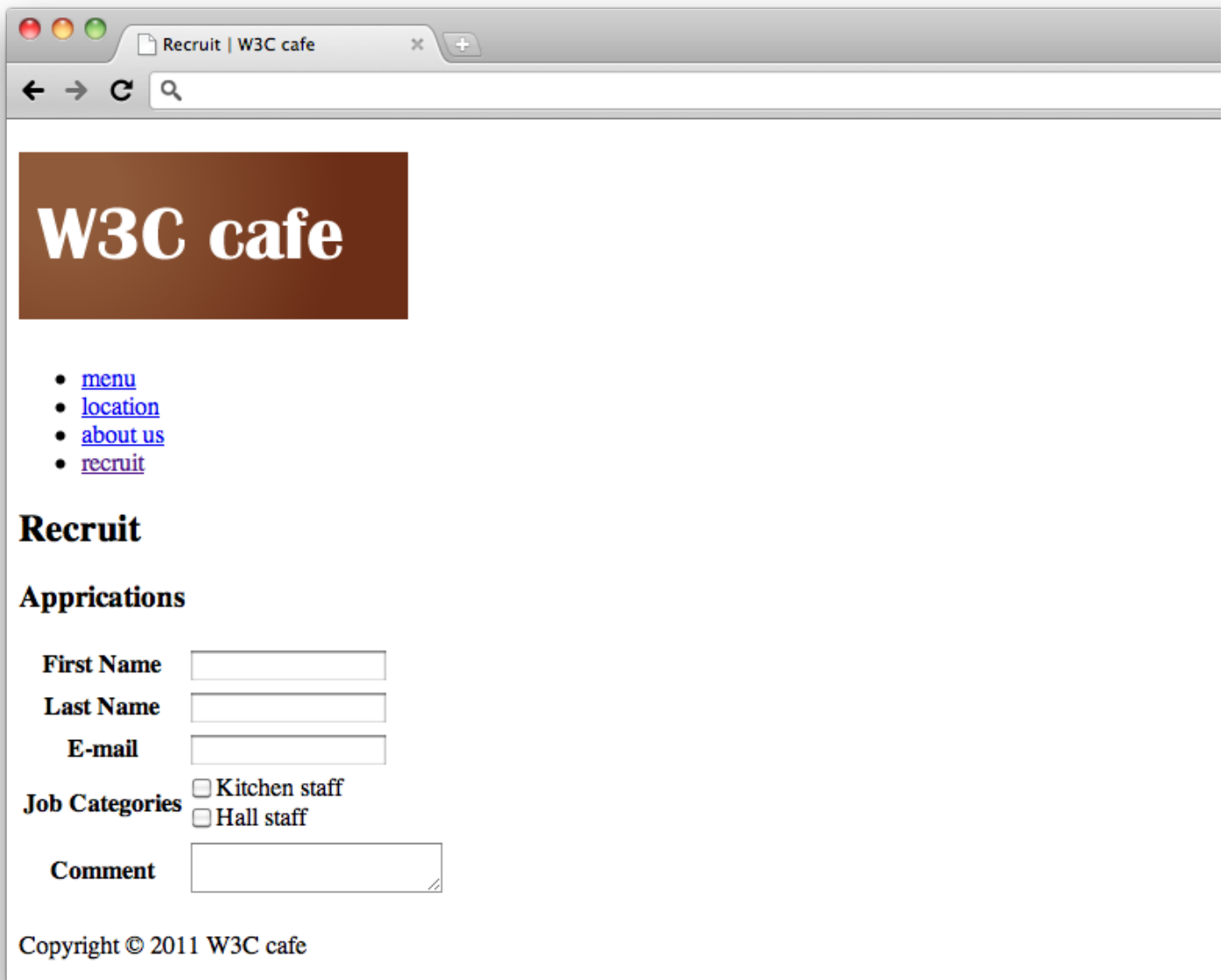
```
<h2>Recruit</h2>
<h3>Apprications</h3>
<form action="http://www.example.com/form.cgi" method="get">
<table>
  <tr>
    <th>First Name</th>
    <td><input type="text"></td>
  </tr>
  <tr>
    <th>Last Name</th>
    <td><input type="text"></td>
  </tr>
  <tr>
    <th>E-mail</th>
    <td><input type="email"></td>
  </tr>
  <tr>
    <th>Job Categories</th>
    <td>
      <input type="checkbox" name="job" value="barista">barista<br>
      <input type="checkbox" name="job" value="waiter">waiter
```

```
        </td>
      </tr>
      <tr>
        <th>Comment</th>
        <td><textarea></textarea></td>
      </tr>
    </table>
  </form>
```

2. Check Web browser.