Forms

Sending Data to the Server

Forms

Objects in a Form

Input Field

Button

Scrollable List
Multiple Lines
Select One LIne
Select Many Lines

Drop-down List

Free-form text is entered here. The amount of text is limited by the browser.
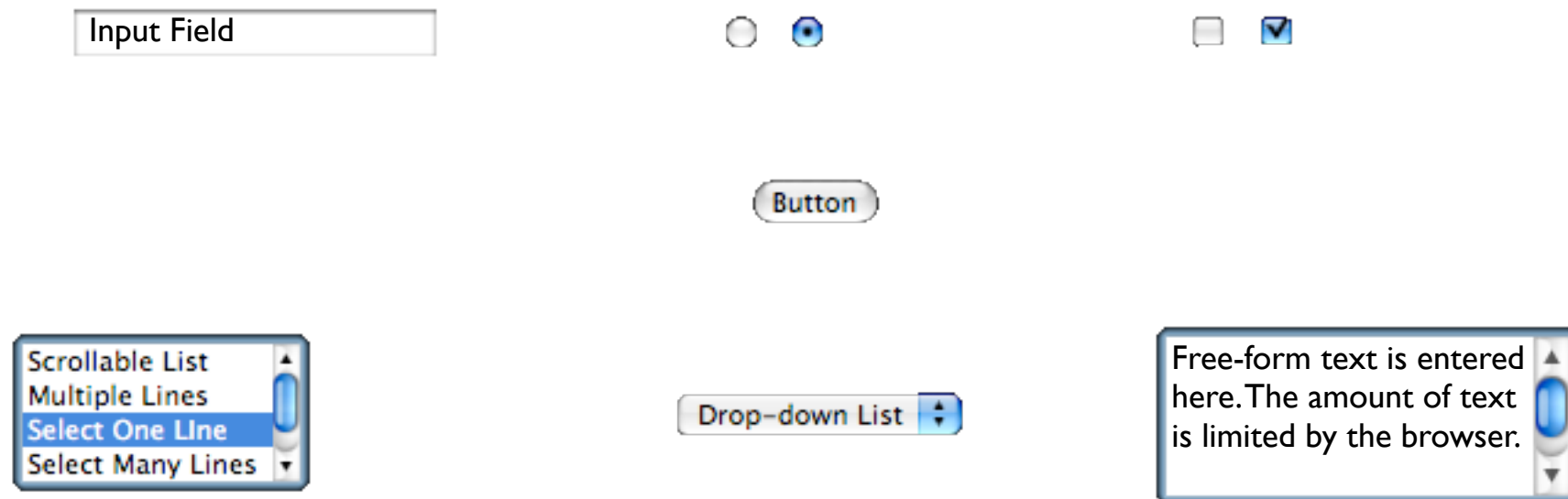
Each item has a value that
is sent to the server

Forms

Objects in a Form

Input objects: <input>

- Input fields: type="text"

- Enables the sending of text to the server

- No limit of text (unless specified)

Input Field

<input name="first_name" type="text">

Forms

Objects in a Form

Input objects: <input>

- Radio Button: type="radio"

- Allows a mutually exclusive choice

- Button exclusivity is based upon its name

○ ● Radio Buttons

<input name="choice" type="radio">

Forms

Objects in a Form

Input objects: <input>

- Checkbox: type="checkbox"
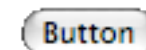
- Enables multiple choices of set values

- Value is sent only if the button is checked on

Checkboxes

<input name="choice" type="checkbox">

Forms

Objects in a Form

Input objects: <input>

- Submit: type="submit"
  Automatically send data

- Reset: type="reset"
  Resets the form to initial values

- Button: type="button"
  Used with JavaScript

Button

<input name="send" type="submit">

Forms

Objects in a Form

Input objects: <input>

Input Field · · · Radio Buttons · · · Checkboxes

Button

Value attribute 'controls' everything
Text - value pre-fills field
Radio - value of button is sent
Checkbox - value of button is sent
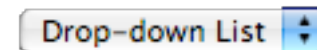Button - value shows in button

Forms

Objects in a Form

List objects: <select>

- Indicates a list of multiple options

- Choice is sent to server

- Use <option> to specify list items

Drop-down List

```
<select name="list">
  <option>Item #1</option>
  <option>Item #2</option>
  <option>Item #3</option>
</select>
```

Automatic value of item shown
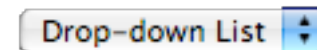
Forms

Objects in a Form

List objects: <select>

- Indicates a list of multiple options

- Choice is sent to server

- Use <option> to specify list items

Drop-down List

```
<select name="list">
  <option value="1">Item #1</option>
  <option value="2">Item #2</option>
  <option value="3">Item #3</option>
</select>
```
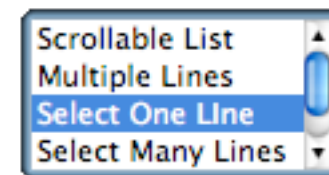
Value doesn't have to equal item in list

Forms

Objects in a Form

List objects: \<select>

- Same as drop-down list

- Number of lines displayed is based upon the size attribute

- More options cause scrollbar to show

Scrollable List
Multiple Lines
Select One LIne
Select Many Lines

```
<select name="list" size="4">
  <option>Item #1</option>
  <option>Item #2</option>
  <option>Item #3</option>
</select>
```

Forms

Objects in a Form

Free-form Text: <textarea>

- Used in times where a lot of text is to be entered

- Ending tag required - pre-filled text goes between tags

- Content is still access by it's "value" attribute in JavaScript

Free-form text is entered here. The amount of text is limited by the browser.
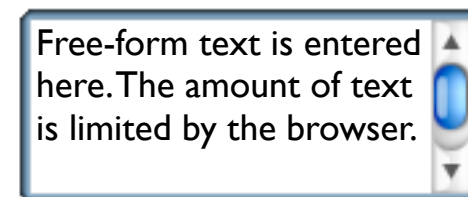
<textarea name="description">
Free-form text is entered here. The amount of text is limited by the browser.</textarea>

Forms

Tying Them All Together

Binding tag: <form>

- Objects belong to a form

- 'Action' attribute specifies resulting page to display

- 'Method' attribute determines how data is sent

```
<form action="thankyou.jsp" method= "post">
    First Name: <input name="first" type="text"><br>
    Last Name: <input name="last" type="text"><br>
    Gender:
<input name="gender" type="radio" value="M"> Male
<input name="gender" type="radio" value="F"> Female
    <br>
    Code Fellows Alumni:
<input name="alumni" type="checkbox" value="true">
<input type="submit" value="Send">
</form>
```