

AAPP009-4-2 Web Development

WEB FORMS

Basic Forms

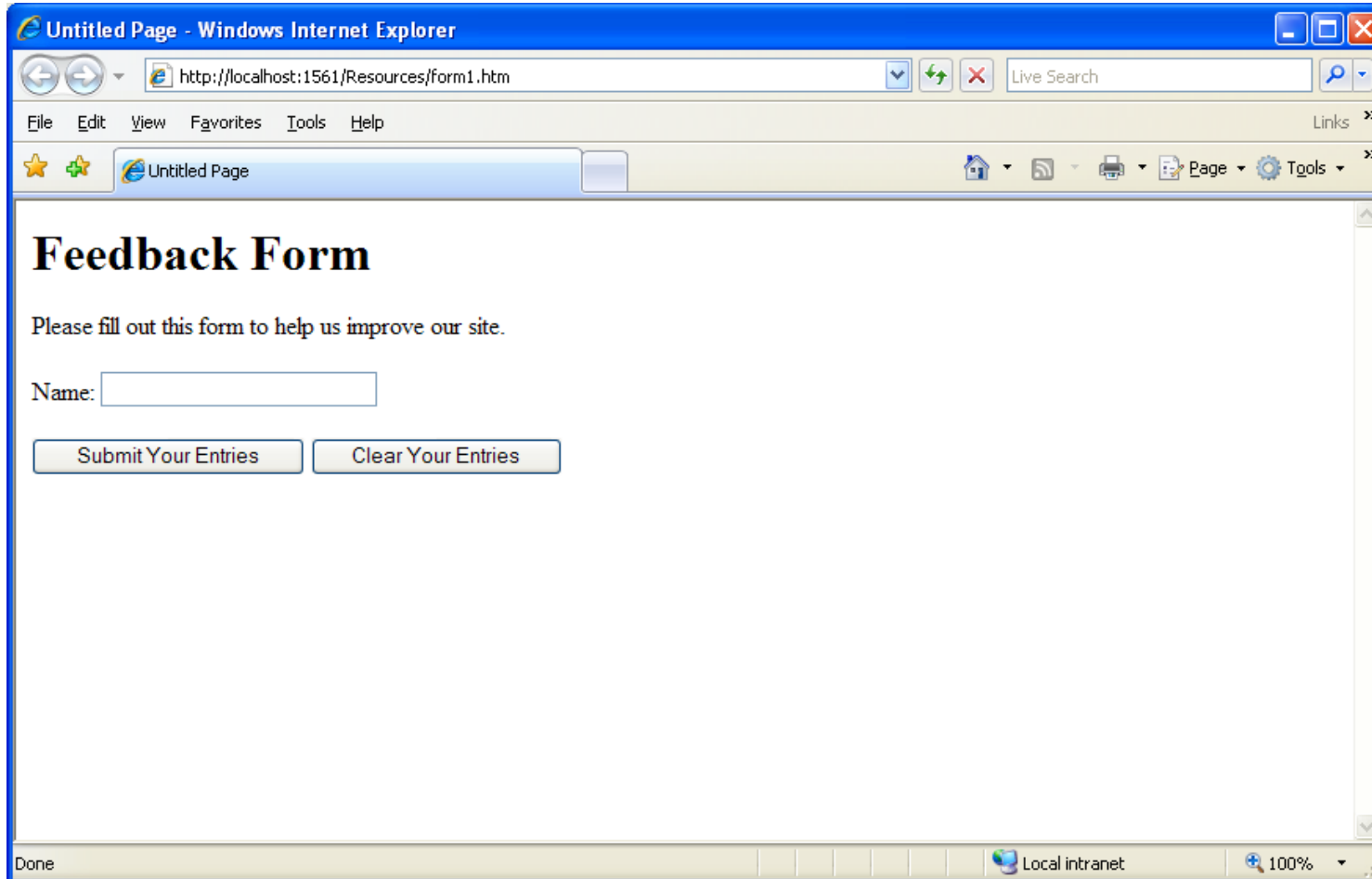
- Element form
 - Attribute method
 - Specifies how the form's data is sent to Web server
 - method = "post"
 - Appends form data to the browser request
 - method = "get"
 - Appends form data directly to the end of the URL
 - Attribute action
 - Specifies the URL of a script on the Web server
 - input
 - Specifies data to provide to the script that processes the form

Basic Forms

```
<form action="formmail.html" method="post">

  <p>
    <label> Name: </label>
    <input type = "text" maxlength="30" name="nm" size="25">
  </p>
  <p>
    <!-- input types "submit" and "reset" insert -->
    <!-- buttons for submitting and clearing the -->
    <!-- form's contents -->
    <input type="submit" value="Submit Your Entries">
    <input type="reset" value="Clear Your Entries">
  </p>
</form>
```

Basic Forms



The screenshot shows a Windows Internet Explorer browser window titled "Untitled Page - Windows Internet Explorer". The address bar displays the URL "http://localhost:1561/Resources/form1.htm". The menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The toolbar contains icons for "Live Search", "Home", "Back", "Forward", "Print", "Page", and "Tools". The main content area displays a "Feedback Form" with the text "Please fill out this form to help us improve our site." Below this text is a text input field labeled "Name:". At the bottom of the form are two buttons: "Submit Your Entries" and "Clear Your Entries". The status bar at the bottom shows "Done", "Local intranet", and a zoom level of "100%".

Untitled Page - Windows Internet Explorer

http://localhost:1561/Resources/form1.htm

File Edit View Favorites Tools Help

Live Search

Untitled Page

Feedback Form

Please fill out this form to help us improve our site.

Name:

Done Local intranet 100%

<input> Elements

- Text input: `<input type="text">`
- Password input: `<input type="password">`
- Email input: `<input type="email">`
- Number input: `<input type="number">`
- Date input: `<input type="date">`
- Time input: `<input type="time">`
- Checkbox: `<input type="checkbox">`
- Radio buttons: `<input type="radio">`
- File upload: `<input type="file">`
- Range input: `<input type="range">`
- Color picker: `<input type="color">`
- Search input: `<input type="search">`
- URL input: `<input type="url">`
- Telephone input: `<input type="tel">`
- Hidden input: `<input type="hidden">`
- Submit button: `<input type="submit">`
- Reset button: `<input type="reset">`
- Image button: `<input type="image">`
- Button: `<input type="button">`

Other Form Elements

- `<textarea>`: Used for multiline text input.
- `<select>`: Creates a dropdown list of options for the user to choose from.
- `<option>`: Defines an option within a `<select>` element.
- `<button>`: Creates a clickable button within a form.


Wireframe

My Address Book

http://www.myaddressbook.com

ADDRESS BOOK

Add New Profile

Name	<input type="text" value="text"/>
Phone Number	<input type="text" value="text"/>
Email Address	<input type="text" value="text"/>
Home Address	<input type="text" value="text"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female
Relationship	<input type="text" value="text"/>
Date of Birth	<input type="text"/> 

Data Dictionary

Field Name	Data Type	Data Format	Field Size	Description	Example
id	integer	NNNNNN	6	Unique Number for all contact record Primary Key	12345
contact_name	varchar		255	Name for the contact	John Doe
contact_phone	varchar		50	Phone number for the contact	012546679
contact_email	varchar		255	Email address for the contact	john@gmail.com
contact_address	text			Home address for the contact	No 33, Jalan Bukit Jalil, 57000 Kuala Lumpur
contact_gender	varchar		10	Gender for the contact	Male
contact_relationship	varchar		10	Relationship between address book owner with the contact	Family
contact_dob	date	dd/mm/yyyy		Date of birth of the contact	10/12/1999

ERD (Single Entity – for now)



`<title>Add New Profile</title>`

`<h2>My Address Book</h2>`

`<h3>Add New Profile</h3>`

`<input type="text" name="name" required="required">`

`<input type="tel" name="phone_num" required="required"> *`

`<input type="email" name="email_address" required="required">`

`<textarea name="home_address" required="required"></textarea>`

`<input type="radio" name="gender" value="Male" required="required"> Male`

`<input type="radio" name="gender" value="Female" required="required"> Female`

`<select name="relationship" required="required">`

`<option value="">Please select</option>`

`<option value="Family">Family</option>`

`<option value="Friend">Friend</option>`

`<option value="Colleague">Colleague</option>`

`<option value="Other">Other</option>`

`</select>`

`<input type="date" name="dob">`

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

`<input type="reset" value="Reset">`

* The tel type is currently supported only in Safari 8.

Styling Up Forms

- Styling Input Fields

```
input {  
  width: 100%;  
}
```

The example above applies to all `<input>` elements.
If you only want to style a specific input type, you can use attribute selectors:

`input[type=text]` - will only select text fields

`input[type=password]` - will only select password fields

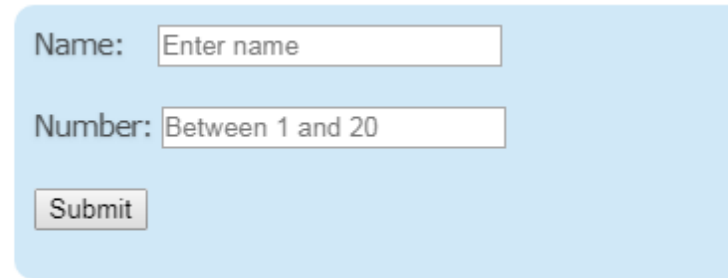
`input[type=number]` - will only select number fields

Styling Up Forms

Valid Input Styling:

```
<style>
input[type='text']:focus:valid
{background:#D2F587; }

input[type='number']:in-range {
border-color: green; }
</style>
```



:focus represents form input that has received focus. It is generally triggered when the user clicks or taps on an element or selects it with the keyboard's Tab key.

Invalid Input Styling:

```
<style>
input[type='text']:focus:invalid
{background:#F5BFD1; }

input[type='number']:
out-of-range{ border-color: red; }
</style>
```

:invalid represents any <input> or other <form> element whose contents fail to validate.

:valid represents any <input> or other <form> element whose contents validate successfully.

:in-range represents an <input> element whose current value is within the range limits specified by the min and max attributes.

Q & A