

# HTML FORM

# Form

- **Un insieme di elementi in una pagina web con cui l'utente interagisce per inviare informazioni ad uno script**
- **Realizzazione di due cose**
  - la pagina contenente il form
  - Lo script che riceve ed elabora le informazioni

Mailing List Signup

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## MAILING LIST SIGNUP

Get news about the band such as tour dates and special MP3 releases sent to your own in-box.

Name:

Email:

Done ✓

Data

Name = Sally Strongarm  
Email = strongarm@example.com



Response  
(HTML)

Mailing List Signup

---

## THANKS

You are now on the band mailing list. Can't wait to see you out at the shows.

[Go back to the main page](#)

Done ✓

# Flusso operazioni

1. Apertura pagina con il form
2. Compilazione del form e click di un bottone
3. Invio delle informazioni al server
4. Uno script prende le informazioni e le processa
5. Lo script genera una pagina di risposta a seconda delle informazioni
6. Il server invia la pagina al browser che la visualizza

# Elemento form

- `<form>...</form>`
- Serve a contenere gli elementi appartenenti al form
  - Attivi: campi di testo, bottoni, menu
  - Altri elementi descrittivi: tutti tranne form

```
<!DOCTYPE html> <html>
<head>
  <title>Mailing List Signup</title>
  <meta charset="utf-8">
</head>
<body>
<h1>Mailing List Signup</h1>
  <form action="mailinglist.php" method="post">
    <fieldset>
      <legend>Join our email list</legend>
      <p>Get news about the band such as tour dates
        and special MP3 releases sent to your own in-box.</p>
      <ol>
        <li>
          <label for="firstlast">Name:</label>
          <input type="text" name="username" id="firstlast">
        </li>
        <li>
          <label for="email">Email:</label>
          <input type="text" name="email" id="email">
        </li>
      </ol>
      <input type="submit" value="Submit">
    </fieldset>
  </form>
</body>
</html>
```

# Attributo action

- Contiene la **URL** dello script che elaborerà i dati

```
<form action="mailinglist.php" method="post">
```

- Se non presente si assume che il suo valore sia quello della pagina corrente

# Attributo method

- Specifica la modalità di invio dei dati
  - valori: **get** o **post**

- **GET** (default)

- HTTP GET con i dati concatenati nella URL
- si usa ? all'inizio e & fra i dati
- <http://www.example.com/maillinglist.php?name=Sally%20Strongarm&email=strongarm%40example.com>

Dati:

username = Sally Strongarm

email = strongarm@example.com

[?name=Sally%20Strongarm&email=strongarm%40example.com](http://www.example.com/maillinglist.php?name=Sally%20Strongarm&email=strongarm%40example.com)

- **POST**

- Dati inviati nel body della richiesta

ES. GET <http://pw.netgroup.uniroma2.it/esf/exf.html>

ES. POST <http://pw.netgroup.uniroma2.it/esf/exf2.html>



<http://pw.netgroup.uniroma2.it/esf/maillinglist.php?username=Pierpaolo&email=pierpaolo.loreti%40uniroma2.it>

# altri attributi form

- **accept-charset**
  - Specifies the charset used in the submitted form (default: the page charset).
- **action**
  - Specifies an address (url) where to submit the form (default: the submitting page).
- **autocomplete**
  - Specifies if the browser should autocomplete the form (default: on).
- **enctype**
  - Specifies the encoding of the submitted data (default: is **url-encoded**).
  - [http://www.w3schools.com/tags/ref\\_urlencode.asp](http://www.w3schools.com/tags/ref_urlencode.asp)
- **method**
  - Specifies the HTTP method used when submitting the form (default: GET).
- **name**
  - Specifies a name used to identify the form (for DOM usage: `document.forms.name`).
- **novalidate**
  - Specifies that the browser should not validate the form.
- **target**
  - Specifies the target of the address in the action attribute (default: `_self`).

# Variabili e contenuto

- Può contenere molti elementi attivi
- Ogni elemento definisce una **variabile** che ha un nome
- L'utente interagendo con il form varia il **contenuto** delle variabili che vengono inviate al server
- Nell'esempio
  - variabili “username” and “email”
  - “Sally Strongarm” and “strongarm@example.com” valori
    - contenuti nelle variabili

# Attributo name

- Definisce i nomi delle variabili

```
<textarea name="comment" rows="4" cols="45" placeholder="Leave us a comment."></textarea>
```

- Se scrivo:

“This is the best band ever!”

- La variabile vale:

```
comment=This%20is%20the%20best%20band%20ever%21
```

# Nomi dei campi

- Nei form i valori per l'attributo **name** possono essere qualunque cosa
- Devono essere unici nel form
- Sarebbe meglio evitare spazi
- I nomi delle variabili li uso in php per prendere il valore delle variabili
  - Il php se trova cose strane li converte

# Campi del form

- Molti sono l'elemento `<input>` con **type** diverso
  - `<input type="text">`
  - `<input type="password">`
  - `<input type="submit">`
  - `<input type="reset">`
  - `<input type="radio">`
  - `<input type="checkbox">`
  - `<input type="button">`
  - `<input type="hidden">`
  - `<input type="file">`
- HTML5 type
  - color, date, datetime, datetime-local, email, month, number, range, search, tel, time, url, week

# Esempi

- [http://www.w3schools.com/htmL/html\\_form\\_input\\_types.asp](http://www.w3schools.com/htmL/html_form_input_types.asp)
- [http://www.w3schools.com/htmL/html\\_form\\_attributes.asp](http://www.w3schools.com/htmL/html_form_attributes.asp)
- [http://www.w3schools.com/tags/tag\\_input.asp](http://www.w3schools.com/tags/tag_input.asp)

# Principali Attributi

<b>disabled</b>	Specifies that an input field should be disabled
<b>max</b>	Specifies the maximum value for an input field
<b>maxlength</b>	Specifies the maximum number of character
<b>min</b>	Specifies the minimum value for an input field
<b>pattern</b> against	Specifies a regular expression to check the input value
<b>readonly</b> changed)	Specifies that an input field is read only (cannot be
<b>required</b> out)	Specifies that an input field is required (must be filled
<b>size</b>	Specifies the width (in characters) of an input field
<b>step</b>	Specifies the legal number intervals for an input field
<b>value</b>	Specifies the default value for an input field



# Radio e checkbox

```
<p>How old are you?</p> <ol>
  <li><input type="radio" name="age" value="under24" checked> under 24</li>
  <li><input type="radio" name="age" value="25-34"> 25 to 34</li>
  <li><input type="radio" name="age" value="35-44"> 35 to 44</li>
  <li><input type="radio" name="age" value="over45"> 45+</li>
</ol>
```

```
<p>What type of music do you listen to?</p> <ul>
  <li><input type="checkbox" name="genre" value="punk" checked> Punk rock</li>
  <li><input type="checkbox" name="genre" value="indie" checked> Indie rock</li>
  <li><input type="checkbox" name="genre" value="hiphop"> Hip Hop</li>
  <li><input type="checkbox" name="genre" value="rockabilly"> Rockabilly</li>
</ul>
```

## Radio buttons

How old are you?

- ☒ under 24
- ☐ 25 to 34
- ☐ 35 to 44
- ☐ 45+

## Checkbox buttons

What type of music do you listen to?

- ☒ Punk rock
- ☒ Indie rock
- ☐ Hip Hop
- ☐ Rockabilly

# Menu drop down

- `<select>`
  - definisce il menu
- `<option>`
  - opzione del menu

```
<p>What is your favorite 80s band?
<select name="EightiesFave">
  <option>The Cure</option>
  <option>Cocteau Twins</option>
  <option>Tears for Fears</option>
  <option>Thompson Twins</option>
  <option value="EBTG">Everything But the Girl</option>
  <option>Depeche Mode</option>
  <option>The Smiths</option>
  <option>New Order</option>
</select>
</p>
```

What is your favorite 80s band?

# Menu scelta multipla

```
<p>What 80s bands did you listen to?
  <select name="EightiesBands" size="6" multiple>
    <option>The Cure</option>
    <option>Cocteau Twins</option>
    <option selected>Tears for Fears</option>
    <option selected>Thompson Twins</option>
    <option value="EBTG">Everything But the Girl</option>
    <option>Depeche Mode</option>
    <option>The Smiths</option>
    <option>New Order</option>
  </select>
</p>
```

What 80s bands did you listen to?

The Cure  
Cocteau Twins  
Tears for Fears  
Thompson Twins  
Everything But the Girl  
Depeche Mode

```
<select name="icecream" size="7" multiple>
  <optgroup label="traditional">
    <option>vanilla</option>
    <option>chocolate</option>
  </optgroup>
  <optgroup label="fancy">
    <option>Super praline</option>
    <option>Nut surprise</option>
    <option>Candy corn</option>
  </optgroup>
</select>
```

**traditional**  
vanilla  
chocolate  
**fancy**  
Super praline  
Nut surprise  
Candy corn

# File

- Seleziona un file dall'computer locale
- Servono
  - method="post"
  - enctype="multipart/form-data"

```
<form action="/client.php" method="POST" enctype="multipart/form-data">
  <label>Send a photo to be used as your online icon <em>(optional)</em><br>
  <input type="file" name="photo" size="28"><label>
</form>
```

File input (Firefox)

Send a photo to be used as your online icon (*optional*):

 

File input (Chrome)

Send a photo to be used as your online icon (*optional*):

 No file chosen

# Type hidden

- **Inviare informazioni che non provengono dall'utente**
  - dati query precedenti
  - referral
  - nonce

```
<input type="hidden" name="success-link"  
value="http://www.example.com/ littlechair_thankyou.html">
```

# Label

- Associa del testo ad elemento di input

- associazione implicita

```
<ul>
  <li><label><input type="checkbox" name="genre" value="punk">Punk rock</label></li>
  <li><label><input type="checkbox" name="genre" value="indie">Indie rock</label></li>
  <li><label><input type="checkbox" name="genre" value="hiphop">Hip Hop</label></li>
  <li><label><input type="checkbox" name="genre" value="rockabilly">Rockabilly</label></li>
</ul>
```

- associazione esplicita

```
<label for="form-login-username">Login account</label>
<input type="text" name="login" id="form-login-username">

<label for="form-login-password">Password</label>
<input type="password" name="password" id="form-login-password">
```

# fieldset e legend

- servono a creare dei gruppi logici ed a fornire una descrizione

```
<fieldset>
  <legend>Mailing List Sign-up</legend>
  <ul>
    <li><label>Add me to your mailing list
      <input type="radio" name="list" value="yes" checked="checked"></label></li>
    <li><label>No thanks <input type="radio" name="list" value="no"></label></li>
  </ul>
</fieldset>

<fieldset>
  <legend>Customer Information</legend>
  <ol>
    <li><label>Full name: <input type="text" name="username"></label></li>
    <li><label>Email: <input type="text" name="email"></label></li>
    <li><label>State: <input type="text" name="state"></label></li>
  </ol>
</fieldset>
```

# Design

- **Usabilità**

- Evitare gli input opzionali o non necessari
- Posizionare le label in modo opportuno
- Scegliere il tipo di input
- Raggruppare gli input correlati
- Evidenziare le azioni

- **Usate il CSS per posizionare e gestire lo stile del form**



## Contest Entry Information

Name

Email

Telephone

Your story   
No more than 300 characters long

Size  *Sizes reflect standard men's sizes*

Color

- ☐ Red
- ☐ Blue
- ☐ Black
- ☐ Silver

Features

- ☐ Sparkley laces
- ☒ Metallic logo
- ☐ Light-up heels
- ☐ MP3-enabled

## Contest Entry Information

Name

Email

Telephone

Your story   
No more than 300 characters long

Size  Sizes reflect standard men's sizes

Color ☐ Red ☐ Blue ☐ Black ☐ Silver

Features ☐ Sparkley laces  
☒ Metallic logo  
☐ Light-up heels  
☐ MP3-enabled

**Pimp My Shoes!**

**Reset**

# TABELLE HTML

<https://www.w3.org/TR/html4/struct/tables.html>

# Tag per tabella

Tag	Description of the tag
<code>&lt;table&gt;</code>	Used to create tables.
<code>&lt;th&gt;</code>	Used to create table headers.
<code>&lt;tr&gt;</code>	Used to create rows of tables.
<code>&lt;td&gt;</code>	Used to create table cells or data.
<code>&lt;caption&gt;</code>	Used to set table captions.
<code>&lt;colgroup&gt;</code>	Used to group more than one column.
<code>&lt;col&gt;</code>	Used to set column properties in the <code>&lt;colgroup&gt;</code> element.
<code>&lt;thead&gt;</code>	Used to set table headers.
<code>&lt;tbody&gt;</code>	Used to set the body of the table.
<code>&lt;tfoot&gt;</code>	Used to set the footer of the table.

# Esempio

```
<table style="width:100%">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Eve</td>
    <td>Jackson</td>
    <td>94</td>
  </tr>
</table>
```

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80