

COSC 122: Computer Fluency



Simple Form Example

```
<h2>HTML Forms</h2>
```

```
<form action="/action_page.php">
  <label for="fname">First name:</label><br>
  <input type="text" id="fname" name="fname" value="John"><br>

  <label for="lname">Last name:</label><br>
  <input type="text" id="lname" name="lname" value="Doe"><br>

  <br>
  <input type="submit" value="Submit">
</form>
```

HTML Forms

First name:

Last name:

Simple Form Example

```
<h2>HTML Forms</h2>
```

```
<form action="/action_page.php">  
  <label for="fname">First name:</label><br>  
  <input type="text" id="fname" name="fname" value="John"><br>  
  
  <label for="lname">Last name:</label><br>  
  <input type="text" id="lname" name="lname" value="Doe"><br>  
  
  <br>  
  <input type="submit" value="Submit">  
</form>
```

the main `<form>` `</form>` tag

HTML Forms

First name:

Last name:

} label,
input

Simple Form Example

Clicking "Submit" will send the form-data to a page called `"/action_page.php"`
(server side script, not covered in this class)

`<h2>HTML Forms</h2>`

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<form action="/action_page.php">
  <label for="fname">First name:</label><br>
  <input type="text" id="fname" name="fname" value="John"><br>

  <label for="lname">Last name:</label><br>
  <input type="text" id="lname" name="lname" value="Doe"><br>

  <br>
  <input type="submit" value="Submit">
</form>
```

HTML Forms

First name:

Last name:

} label,
input

another type of input

the main `<form>` `</form>` tag

An absolute link

opens on new tab

```
<form action="https://www.w3schools.com/action_page.php" target="_blank">
  <label for="fname">First name:</label><br>
  <input type="text" id="fname" name="fname" value="John"><br>

  <label for="lname">Last name:</label><br>
  <input type="text" id="lname" name="lname" value="Doe"><br><br>

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

First name:

Last name:

← → ↻ 🔍 w3schools.com/action_page.php?fname=Bob&lname=Dylan

Submitted Form Data

Your input was received as:

fname=Bob&lname=Dylan

The server has processed your input and returned this answer.

Note: This tutorial will not teach you how servers are processing input. Processing input is explained in our [PHP tutorial](#).

Simple Form Example

Use <form> without the action attribute works too

<h2>HTML Forms</h2>

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<form action="/action_page.php">
  <label for="fname">First name:</label><br>
  <input type="text" id="fname" name="fname" value="John"><br>

  <label for="lname">Last name:</label><br>
  <input type="text" id="lname" name="lname" value="Doe"><br>

  <br>
  <input type="submit" value="Submit">
</form>
```

HTML Forms

First name:

Last name:

Simple Form Example

Use `<form>` without the action attribute works too

`<h2>HTML Forms</h2>`

```
<form action="/action_page.php">
  <label for="fname">First name:</label><br>
  <input type="text" id="fname" name="fname" value="John"><br>

  <label for="lname">Last name:</label><br>
  <input type="text" id="lname" name="lname" value="Doe"><br>

  <br>
  <input type="submit" value="Submit">
</form>
```

HTML Forms

First name:

Last name:

id = unique id for client-side styling or interaction
name = reference for server-side processing

Various Form Elements: Radio Buttons

To get to school, mostly I:


```
<input type="radio" id="walk" name="travel" value="walk">  
<label for="walk">Walk</label>
```

```
<input type="radio" id="drive" name="travel" value="drive">  
<label for="drive">Drive</label>
```

```
<input type="radio" id="bus" name="travel" value="bus">  
<label for="bus">Bus</label>
```

To get to school, mostly I:

☐ Walk ☐ Drive ☐ Bus

Various Form Elements: Checkboxes

```
<input type="checkbox" id="html" name="html" value="html">  
<label for="html">I love HTML!</label><br>
```

```
<input type="checkbox" id="javascript" name="javascript" value="javascript">  
<label for="javascript">I love Javascript!</label><br>
```

- ☒ I love HTML!
- ☒ I love Javascript!

Various Form Elements: Dropdown Menu

```
<label for="color">My favourite color is:</label><br>  
<select id="color" name="color">  
  <option value="red">Red</option>  
  <option value="blue" selected>Blue</option>  
  <option value="pink">Pink</option>  
</select>
```

My favourite color is:

Blue is selected by default

My favourite color is:

- Red
- ✓ Blue
- Pink

Various Form Elements: Text Area

```
<label for="message">My hobbies are:</label><br>  
<textarea id="message" name="message" rows="3" cols="40"></textarea><br>
```

My hobbies are:



Various Form Elements: Numeric Pattern

```
<label for="phone">Phone number:</label><br>  
<input type="tel" id="phone" name="phone"  
  placeholder="250-555-5555"  
  pattern="[0-9]{3}-[0-9]{3}-[0-9]{4}" required><br>
```

Phone number:

250-555-5555

Phone number:

124



Please match the requested format.

Phone number:

250-555-5555



Please fill out this field.

Various Form Elements: Numeric Pattern

```
<label for="phone">Phone number:</label><br>  
<input type="tel" id="phone" name="phone"  
      placeholder="250-555-5555"  
      pattern="[0-9]{3}-[0-9]{3}-[0-9]{4}" required><br>
```

How about:

Birthdate: YYYY-MM-DD

?

Various Form Elements: Email

```
<label for="email">Email</label><br>  
<input type="email" id="email" name="email"><br>
```

special format

Email

abc



Please include an '@' in the email address. 'abc' is missing an '@'.

Email

abc@



Please enter a part following '@'. 'abc@' is incomplete.

Email

abc@.



'.' is used at a wrong position in '!'.

Email

abc@.ca



'.' is used at a wrong position in '.ca'.

Email

abc@g.ca

Various Form Elements: Birthdate

```
<label for="bday">Birthdate:</label><br>  
<input type="date" id="bday" name="bday"><br>
```

special format

Birthdate:

yyyy-mm-dd

| September 2025 | | | | | | | ↑ | ↓ |
|----------------|----|----|----|----|----|----|-------|---|
| S | M | T | W | T | F | S | | |
| 31 | 1 | 2 | 3 | 4 | 5 | 6 | | |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 | | |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | | |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | | |
| 28 | 29 | 30 | 1 | 2 | 3 | 4 | | |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 | | |
| Clear | | | | | | | Today | |

Various Form Elements: Selectable Number

```
<label for="year">What year are you in:</label><br>  
<input type="number" id="year" name="year" value="1" min="1" max="5"><br>
```

special format

What year are you in:

What year are you in: