

# COSC 122: Computer Fluency



# Simple Form Example

## HTML Forms

```
<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:

John

Last name:

Doe

Submit

# 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:

John

Last name:

Doe

} label, input

Submit

# 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>  
  
<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:

John

Last name:

Doe

} label, input

Submit

another type of input

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:

Bob

Last name:

Dylan

Submit

← → ⌂ 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>
<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:

John

Last name:

Doe

Submit

# 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:

John

Last name:

Doe

Submit

`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:<br>

```
<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



# 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:

A large, empty rectangular text area with a thin gray border, designed for users to input text. It is positioned below the label "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:

**! Please match the requested format.**

**DUPLICATE**

Phone number:

250-555-5555

Phone number:

**! Please fill out this field.**

**DUPLICATE**

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

What year are you

Email

abc@.



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

What year are you III

Email

abc



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

Email

abc@.ca



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

What

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

# 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: