

# HTML Tags: Form - Part#2

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/Recap\



# Form **TAGS**: about

- Types
- Usage
- Attributes
- Accessibility
- Validation
- Patterns and restrictions



# Form **TAGS**

- `<form>`
- `<input>`
- `<textarea>`
- `<select>`
- `<button>`
- `<label>`
- `<fieldset>`
- `<output>`
- `<legend>`
- `<optgroup>`

# <input>

Note: self-enclosing, display: inline-block

```
<input type="text" name="name_input" placeholder="Add your name here" />
```

## Specific attributes:

- type
- placeholder
- height
- width
- accept
- autofocus
- checked
- step
- required
- value
- max
- min
- minLength
- maxLength
- readonly
- pattern

## Type:

- text
- checkbox
- number
- password
- radio
- submit
- file
- image
- range
- reset
- **hidden** (the field is not shown, but the data is submitted)
- button
- time
- search
- email
- url

# Accessibility: put a **<label>** on it

Note: start/end tag, display: inline

```
<label for="nameInput">Name</label>
```

```
<input type="text" id="nameInput" />
```

# Client-side <form> validation

- required
- minLength/maxLength (strings)
- min/max (numbers)
- type (email, url - **limited**)
- pattern (regex)



# Client-side **<form>** validation: styling

Note: attributes "convert" into pseudo-class selectors.

- :required:invalid
- :required:valid
- :focus:invalid
- :disabled





# <button>

Note: start/end tag, display: inline-block

```
<button type="button">Start</button>
```

## Specific attributes:

- type: button|reset|submit
- autofocus
- value
- name
- disabled

# <form>

Note: start/end tag, display: **block**

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

## Specific attributes:

- action
- autocomplete
- enctype
- accept-charset
- method
- name
- novalidate (allows JS to take over)
- target

# <textarea>

Note: start/end tag, display: inline-block

```
<textarea name="name_textarea" rows="4" cols="20">ABCD</textarea>
```

## Specific attributes:

- rows
- cols
- autofocus
- maxLength
- name
- placeholder
- readonly
- required
- disabled

/more inputs\



# <input>

## Type:

- checkbox
- radio
- file
- range
- search
- **hidden** (the field is not shown, but the data is submitted)

# ◁select▷ - dropdown menu UI implementation

```
<!-- SELECT -->
<label for="idSelectColors"></label>
<select id="idSelectColors">
  <option>Red</option>
  <option>Green</option>
  <option>Blue</option>
</select>
```

## Specific attributes:

- autofocus
- disabled
- name
- required

# Accessibility&UX: **<optgroup>**

```
<label for="idSelectColors">Colors:</label>
<select id="idSelectColors">
  <optgroup label="Reds">
    <option value="firebrick">Firebrick</option>
    <option value="darkred">Darkred</option>
  </optgroup>
  <optgroup label="Greens">
    <option value="lime">Lime</option>
    <option value="forestgreen">Forestgreen</option>
  </optgroup>
</select>
```

## <option>:

- value
- disabled
- label
- selected

# ◁output▷

```
<!-- OUTPUT -->  
<form oninput="x.value=parseInt(a.value)+parseInt(b.value)">  
  <input type="number" id="a" value="52">  
  +<input type="number" id="b" value="50">  
  =<output name="x" for="a b"></output>  
</form>
```



# <datalist>

```
<!-- DATALIST -->
<label for="ice-cream-choice">Choose a flavor:</label>
<input list="ice-cream-flavors" id="ice-cream-choice" name="ice-cream-choice" />

<datalist id="ice-cream-flavors">
  <option value="Chocolate">
  <option value="Coconut">
  <option value="Mint">
  <option value="Strawberry">
  <option value="Vanilla">
</datalist>
```

**Usage:** container of a set of <options> elements that represent permissible or recommended options available to choose from within other controls.

# Accessibility: **<fieldset>**, **<legend>**

```

<!-- FIELDSET -->
<form>
  <fieldset>
    <legend>Choose your favorite color</legend>

    <input type="radio" id="red" name="color">
    <label for="red">Red</label><br/>

    <input type="radio" id="green" name="color">
    <label for="green">Green</label><br/>

    <input type="radio" id="blue" name="color">
    <label for="blue">Blue</label>
  </fieldset>
</form>

```

Note: <fieldset> is used to group related elements in a form.

Note: <legend> defines a caption for the fieldset element.

# UX: **tabindex** attribute

Note: global attribute - indicated that the elements that use it can be focused. It decides the sequential keyboard navigation. (TAB key)

Values: -1 | 0 | 1, 2, ..

```
<!-- tabindex -->  
<a href="https://www.google.com/" tabindex="2">Google</a>  
<input type="text" id="fname" name="fname" value="John" tabindex="1">  
<div tabindex="3">Filler div</div>
```

# Assignment #6



## Notifications Survey

We're working on our notification system to make our product work better.

The survey consists in several questions and usually takes 5-7 minutes to complete.

Enter your email:

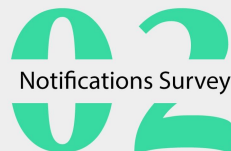
Are you an admin or a member on our Board?

- ☐ Admin  
☐ Member

How do you collaborate in our Board?

- ☐ Create and edit content  
☐ Comment and leave comment  
☐ Just review created comment  
☐ Other: \_\_\_\_\_

NEXT



## Notifications Survey

Would you recommend our Board to other users?

☐ 1 ☐ 2 ☒ 3 ☐ 4 ☐ 5  
 Not at all likely Extremely likely

Pick the 3 things you find most important with the integration documentation:

- ☐ Tutorials ☐ API Reference ☐ Inline code examples  
☐ Clear consistent content ☐ Runnable example repos  
☐ Support ☐ Navigation & search ☐ Design & usability

How would you score your navigation experience so far?

☐  ☒  ☐  ☐  ☐   
 Didn't meet expectations Exceeded expectations

BACK

SEND



/Q&A\



# Resources

- MDN Web docs: <https://developer.mozilla.org/en-US/>
- W3Schools: <https://www.w3schools.com/>
- Font Awesome: <https://fontawesome.com/>
- Placeholder styling: <https://css-tricks.com/almanac/selectors/p/placeholder/>
- Iconfinder: <https://www.iconfinder.com/>
- WhatTheFont: <https://www.myfonts.com/WhatTheFont/>





# Thank you

**Next: HTML Tags: Multimedia**

