

W6 PRACTICE

FORMS & INPUTS

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PART 1: LEARN – 45 MIN

- **Read or watch** resources on internet to learn about **HTML Inputs**:

[Guide - WC3 School](#)

[The Form element](#)

[HTML Forms](#)

- **Complete** the bellow table.

INPUT TYPE	USAGE	EXAMPLE
Text	defines a one-line input field for text input	<code><input type="text"></code>
radio	defines a radio button (for selecting one of many choices)	<code><input type="radio" name="gender" value="male"></code>
checkbox	defines a checkbox (for selecting zero or more of many choices)	<code><input type="checkbox" name="vehicle1" value="Bike"></code>
range	defines a control for entering a number whose exact value is not important (usually rendered as a slider)	<code><input type="range" min="0" max="100"></code>
submit	defines a button for submitting the form data to a form-handler	<code><input type="submit" value="Send"></code>
textarea	defines a multi-line text input control (a field for larger blocks of text)	<code><textarea name="comment" rows="4" cols="50"></textarea></code>
select	defines a drop-down list for selecting one or more options	<code><select name="cars"></select></code>
color	defines a color picker	<code><input type="color" value="#ff0000"></code>
file	defines a file-select field and a "Browse" button for file uploads	<code><input type="file" name="myFile"></code>

- **Read or watch** resources on internet to learn about **Inputs styling**:

https://www.w3schools.com/css/css_form.asp

- Complete those **mini challenges** by writing your code on bellow table:

MINI CHALLENGES	YOUR CODE (HTML + CSS)
Highlight the input field when it is focused	<pre><!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"></pre>

	<pre> <title>Document</title> <style> input[type="text"]:focus, textarea:focus { border-color: #007bff; box-shadow: 0 0 5px rgba(0, 123, 255, 0.6); outline: 2px solid #ffaa00; outline-offset: 2px; } </style> </head> <body> <div class="sign-up"> <h2> Highlight the input field when it is focused</h2> <form action=""> <label for="fname">First Name:</label>
 <input type="text" id="fname" name="fname">
 <label for="lname">Last Name:</label>
 <input type="text" id="lname" name="lname">
 </form> </div> </body> </html> </pre>
Change the button background color on hover	<pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Document</title> <style> button { background-color: lightgreen; padding: 10px 20px; border: none; border-radius: 5px; cursor: pointer; } button:hover { background-color: darkgreen; color: white; } </style> </head> <body> <div class="sign-up"> <h2>Change the button background color on hover </h2> <button>Hover me</button> </pre>

<p>Display a different style when the checkbox is checked</p>	<pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <title>ok</title> <style> label { display: inline-block; padding: 10px 15px; background-color: #f0f0f0; border: 1px solid #ccc; border-radius: 5px; cursor: pointer; transition: background-color 0.3s; } input[type="checkbox"]:checked + label { background-color: #4CAF50; color: white; border-color: #388E3C; font-weight: bold; box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1); } input[type="checkbox"] { display: none; } </style> </head> <body> <input type="checkbox" id="styleToggle"> <label for="styleToggle"> Check this box to change my style! </label> </body> </html> </pre>
<p>HARD!</p> <p>Style a checkbox to have three states: unchecked, checked, and indeterminate.</p> <p>TIP</p> <p>Use CSS pseudo-classes (:checked and :indeterminate) for styling.</p>	<pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="utf-8"> <title>Three-state checkbox</title> <style> #threeStateCheckbox { position: absolute; opacity: 0; left: -9999px; </pre>

```
}
```

```
label {  
    position: relative;  
    display: inline-flex;  
    align-items: center;  
    cursor: pointer;  
    user-select: none;  
}
```

```
label::before {  
    content: '';  
    display: block;  
    width: 20px;  
    height: 20px;  
    margin-right: 10px;  
    border: 2px solid #555;  
    border-radius: 4px;  
    background: #fff;  
    transition: all .15s;  
}
```

```
#threeStateCheckbox:checked+label::before {  
    background: #4CAF50;  
    border-color: #4CAF50;  
}
```

```
#threeStateCheckbox:checked+label::after {  
    content: '';  
    position: absolute;  
    left: 6px;  
    top: 6px;  
    width: 6px;  
    height: 10px;  
    border: solid #fff;  
    border-width: 0 3px 3px 0;  
    transform: rotate(45deg);  
}
```

```
#threeStateCheckbox:indeterminate+label::before {  
    background: #FFA500;  
    border-color: #FFA500;  
}
```

```
#threeStateCheckbox:indeterminate+label::after {  
    content: '';  
    position: absolute;  
    left: 5px;  
    top: 13px;  
    width: 12px;  
    height: 0;  
    border-top: 4px solid #fff;
```

	<pre> } </style> </head> <body> <input id="threeStateCheckbox" type="checkbox" aria- checked="false"> <label for="threeStateCheckbox">Group Selection</label> <script> const cb = document.getElementById('threeStateCheckbox'); const lbl = document.querySelector('label[for="threeStateCheckbox"]'); let state = 0; // 0 = unchecked, 1 = checked, 2 = indeterminate function applyState(s) { cb.checked = s === 1; cb.indeterminate = s === 2; cb.setAttribute('aria-checked', s === 2 ? 'mixed' : (s === 1 ? 'true' : 'false')); } applyState(state); lbl.addEventListener('click', e => { e.preventDefault(); state = (state + 1) % 3; applyState(state); cb.focus(); }); cb.addEventListener('keydown', e => { if (e.key === ' ' e.key === 'Spacebar') { e.preventDefault(); lbl.click(); } }); </script> </body> </html> </pre>
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- Some **groups will be selected to present** and **explain** their work to the whole class

PART 2: PRACTICE – 45 MIN

You need to reproduce – *as close as possible* - the bellow table.

Before coding, identify the following point:

- **Elements:** What are the different inputs you will need?
- **Layout:** what kind of CSS layout do you need? Why?
- **Input styling:** What are the styles you need to apply on your inputs?

The form is titled "Create Account" and is set against a light gray background with a dark blue border. It contains the following elements:

- First name ***: A text input field with placeholder text "enter your first name".
- Last name**: A text input field with placeholder text "enter your last name".
- Email***: A text input field with placeholder text "enter your email".
- Password ***: A text input field with placeholder text "enter your password".
- Confirm Password ***: A text input field with placeholder text "enter your password again".
- Gender:** Two radio buttons labeled "Male" and "Female".
- Hobbies**: Four checkboxes labeled "Music", "Sports", "Travel", and "Movies".
- Source of Income**: A dropdown menu currently showing "Employed".
- Income**: A range slider with a green "20K" label on the right.
- Upload Profile Picture**: A button labeled "Choose File" and the text "No file chosen".
- Age**: A text input field containing the number "18".
- Bio**: A large text area for a biography.
- Create**: A green button at the bottom right of the form.

Be as close as possible from this mock up

My code: <https://github.com/thangsaoly/w6-practice-forms.git>