

W6 PRACTICE

FORMS & INPUTS

What are the objectives for this session?

- ✓ Learn and use various **HTML form input types**
 - *text, checkbox, radio, dropdown, text area, range, color, selector etc.*
- ✓ Apply basic CSS styles to enhance the appearance of form inputs
 - *borders, colors, padding, margins etc.*
- ✓ Use: **:focus :hover :checked :checked :indeterminate** CSS pseudo-classes

How to start?

- ✓ Download **the start code** from the LMS
- ✓ Open the folder in VS Code

How to submit your work?

- ✓ **Push** your final code on **your GitHub repository**
- ✓ Then **attach the GitHub path** to the MS Team assignment and **turn it in**

Are you lost?

You can read the following documentation to be ready for this practice:

- ✓ [Guide - WC3 School](#)
- ✓ [The Form element](#)
- ✓ [HTML Forms](#)



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 | <input type="text"> |
| radio | Select one option from multiple choices | <input type="radio"> |
| checkbox | Select MULTIPLE options | <input type="checkbox"> |
| range | Slider input for selecting a number within a range | <input type="range"> |
| submit | Button to submit a form | <input type="submit"> |
| textarea | Multi-line text input | <input type="textarea"> |
| select | Drop-down list | <input type="select"> |
| color | Pick a color | <input type="color"> |
| file | Upload a file | <input type="file"> |

- ✓ **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> <head> <style> input { padding: 8px; border: 2px solid #ccc; border-radius: 4px; transition: 0.3s; } input:focus { border-color: #007bff; background-color: #e8f0ff; } </style> </head> <body> <input type="text" placeholder="Click here to focus"> </body> </html> </pre> |
| Change the button background color on hover | <pre> <!DOCTYPE html> <html> <head> <style> input { padding: 8px; border: 2px solid ; border-radius: 4px; transition: 0.3s; } input:hover { border-color: #007bff; background-color: #e8f0ff; } </style> </head> <body> <input type="submit" placeholder="Submit"> </body> </html> </pre> |

| | |
|--|---|
| <p>Create a search bar with rounded corners and a shadow effect</p> | <pre><!DOCTYPE html> <html> <head> <style> .search-bar { width: 250px; padding: 10px 15px; border-radius: 25px; border: 1px solid #ccc; box-shadow: 0 0 8px rgba(0,0,0,0.15); outline: none; transition: 0.3s; } .search-bar:focus { box-shadow: 0 0 10px rgba(0,122,255,0.6); border-color: #007aff; } </style> </head> <body> <input type="text" class="search-bar" placeholder="Search..."> </body> </html></pre> |
| <p>Display a different style when the checkbox is checked</p> | <pre><!DOCTYPE html> <html> <head> <style> .custom-check { width: 18px; height: 18px; accent-color: #007bff; cursor: pointer; } .custom-check:checked { transform: scale(1.2); transition: 0.2s; } </style> </head> <body> <input type="checkbox" class="custom-check"> </body> </html></pre> |
| <p>HARD! Style a checkbox to have three states: unchecked, checked, and indeterminate.</p> <p>TIP Use CSS pseudo-classes (:checked and :indeterminate) for styling.</p> | <pre><!DOCTYPE html> <html> <head> <style> .box { width: 20px; height: 20px; appearance: none; border: 2px solid #555;</pre> |

```

    cursor: pointer;
    position: relative;
}

.box {
    background: #fff;
}

.box:checked {
    background: #4caf50;
    border-color: #4caf50;
}

.box:checked::after {
    content: "✓";
    color: #fff;
    position: absolute;
    left: 3px;
    top: -2px;
    font-size: 15px;
}

.box:indeterminate {
    background: #ffcc00;
    border-color: #ffcc00;
}

.box:indeterminate::after {
    content: "";
    width: 12px;
    height: 3px;
    background: #333;
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
}
</style>
<head>
<body>
<input type="checkbox" class="box"
indeterminate>
</body>
</html>

```

- 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 mockup is a 'Create Account' form with a light gray header and a dark blue border. The form is organized into a grid-like layout. It includes text input fields for 'First name', 'Last name', 'Email', 'Password', and 'Confirm Password'. There are radio buttons for 'Gender' (Male/Female) and checkboxes for 'Hobbies' (Music, Sports, Travel, Movies). A 'Source of Income' dropdown menu is set to 'Employed'. An 'Income' slider is positioned at '20K'. An 'Upload Profile Picture' section shows a 'Choose File' button and 'No file chosen' text. An 'Age' input field contains the number '18'. A large 'Bio' text area is at the bottom left. A green 'Create' button is in the bottom right corner.

| Create Account | |
|---|--|
| First name * enter your first name | Last name enter your last name |
| Email* enter your email | |
| Password * enter your password | Confirm Password * enter your password again |
| Gender: <input type="radio"/> Male <input type="radio"/> Female | Hobbies <input type="checkbox"/> Music <input type="checkbox"/> Sports <input type="checkbox"/> Travel <input type="checkbox"/> Movies |
| Source of Income Employed | Income 20K |
| Upload Profile Picture Choose File No file chosen | Age 18 |
| Bio | |
| Create | |

Be as close as possible to this mockup