

W5-S2 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

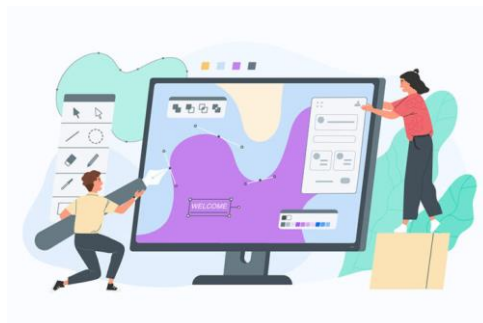
How to submit your work?

- ✓ **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	<code><input type="text"></code>
radio	Defines a radio button, allowing only one selection from a group of options	<code><input type="radio" name="option" value="1"></code>
checkbox	Defines a checkbox input, allowing multiple selections from a group of options	<code><input type="checkbox" value="1"></code>
range	Defines a range slider for selecting a numeric value within a specified range	<code><input type="range" min="1" max="100" value="50"></code>
submit	Defines a button that submits the form	<code><input type="submit" value="Submit"></code>
textarea	Defines a multi-line text input field	<code><textarea rows="4" cols="50"></textarea></code>
select	Defines a dropdown list to select from multiple options	<code><select><option value="1">Option 1</option><option value="2">Option 2</option></select></code>
color	Defines a color input field, allowing the user to select a color	<code><input type="color"></code>
file	Defines a file input, allowing the user to upload a file	<code><input type="file"></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	HTML: <input placeholder="Enter text" type="text"/> CSS: input:focus { border: 2px solid blue; background-color: lightyellow; }
Change the button background color on hover	HTML: <button>Submit</button> CSS: button:hover { background-color: #4CAF50; color: white; }
Create a search bar with rounded corners and a shadow effect	HTML: <input placeholder="Search..." type="search"/> CSS: input[type="search"] { border-radius: 15px; box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2); padding: 10px; }
Display a different style when the checkbox is checked	HTML: <input id="checkbox" type="checkbox"/> CSS: #checkbox:checked { background-color: green; border-color: green; }
HARD! Style a checkbox to have three states: unchecked, checked, and indeterminate. TIP Use CSS pseudo-classes (:checked and :indeterminate) for styling.	HTML: <input id="checkbox" type="checkbox"/> CSS: input[type="checkbox"] { width: 20px; height: 20px; } input[type="checkbox"]:checked { background-color: blue; } input[type="checkbox"]:indeterminate { background-color: yellow; }

- 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. It contains the following elements:

- First name ***: Text input with placeholder 'enter your first name'.
- Last name**: Text input with placeholder 'enter your last name'.
- Email***: Text input with placeholder 'enter your email'.
- Password ***: Text input with placeholder 'enter your password'.
- Confirm Password ***: Text input with placeholder 'enter your password again'.
- Gender:** Radio buttons for 'Male' and 'Female'.
- Hobbies**: Checkboxes for 'Music', 'Sports', 'Travel', and 'Movies'.
- Source of Income**: Dropdown menu with 'Employed' selected.
- Income**: Range slider with a value of '20K'.
- Upload Profile Picture**: File upload area with 'Choose File' button and 'No file chosen' text.
- Age**: Text input with value '18'.
- Bio**: Large text area for a bio.
- Create**: Green button at the bottom right.

Be as close as possible from this mock up

PART 3: THINK + PAIR + SHARE – 90 MIN

STEP 1: INDIVIDUAL WORK – 15 MIN

1. Brainstorm a **form idea** based on a *scenario*
e.g., contact form, login form, survey form, registration form...
2. List the **elements** you think the form should include
e.g.: text area, password, color selector, radio button, list...
3. List any **specific CSS styles** the form should have
e.g., hover effects, focus styles, alignment, layout, columns, rows...

STEP 2: COLLABORATIVE WORK – 45 MIN

1. Decide on a **single form idea** to develop.
2. **Sketch the form structure** and styling on paper
3. Start implementing the **HTML** structure and **CSS** styles collaboratively.

STEP 3: SHARE – 30 MIN

- Pair with another team and demonstrates your project, explaining:
 - o The **form's purpose** and use case
 - o How you structured the **HTML**
 - o The **CSS** techniques used for styling
 - o The **challenges you have faced** and how you resolved them
- Some **groups will be selected to present** their work to the whole class