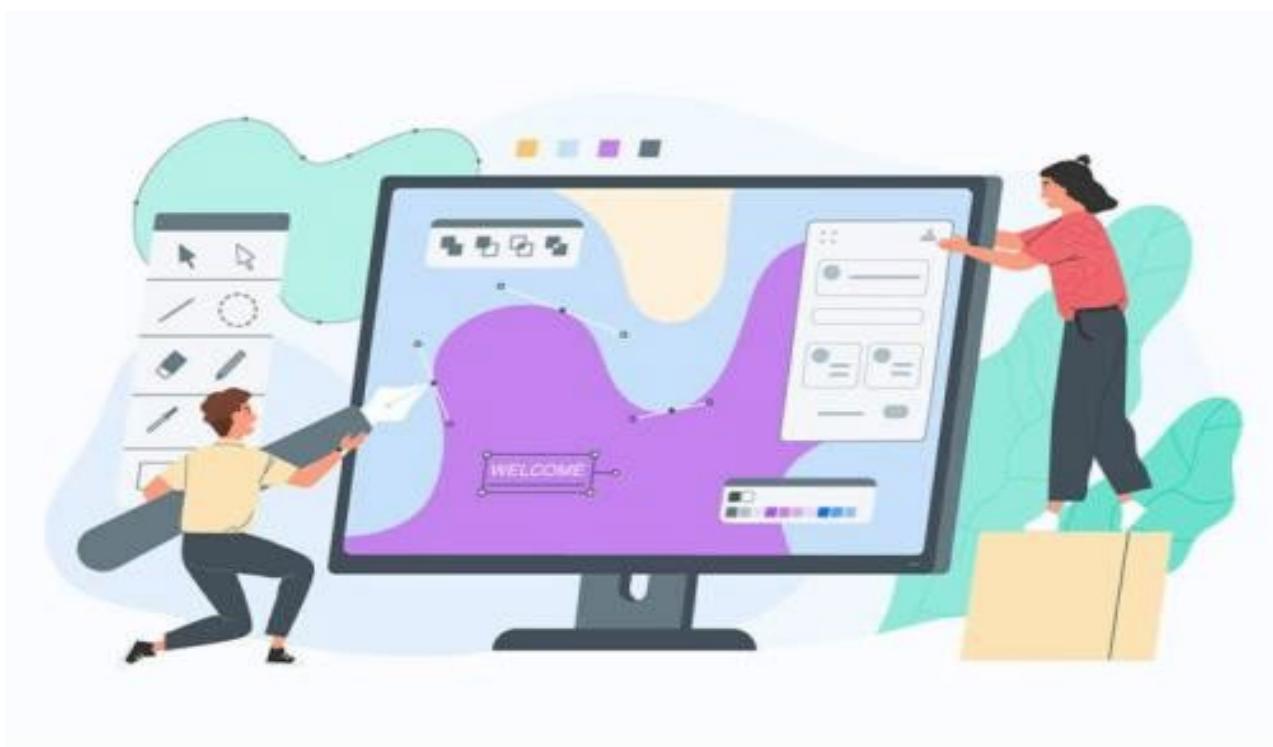


W6 PRACTICE

FORMS & INPUTS

Name: THANG SAOLY
Student's ID: IDTB110257
Group: 03
Subject: Web Design
Department: Computer Science



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

- **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	<!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>
    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><br>
            <input type="text" id="fname" name="fname"><br>
            <label for="lname">Last Name:</label><br>
            <input type="text" id="lname" name="lname"><br>
        </form>
    </div>
</body>
</html>

```

Change the button background color on hover

```

<!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>
    </div>
</body>
</html>

```

	<pre> </div> </body> </html> </pre>
Create a search bar with rounded corners and a shadow effect	<pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <title>Search Bar</title> <style> .search-container { width: 300px; margin: 50px auto; } .search-input { width: 100%; padding: 10px 15px; border: 1px solid #ccc; border-radius: 25px; box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1); font-size: 16px; box-sizing: border-box; transition: box-shadow 0.3s ease-in-out; } .search-input:focus { outline: none; border-color: #007bff; box-shadow: 0 6px 12px rgba(0, 0, 0, 0.15); } </style> </head> <body> <div class="search-container"> <h2>A search bar with rounded corners and a shadow effect </h2> <input type="search" class="search-input" placeholder="Search..."> </div> </body> </html> </pre>

Display a different style when the checkbox is checked

```
<!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>
```

HARD!

Style a checkbox to have three states: unchecked, checked, and indeterminate.

TIP

Use CSS pseudo-classes (`:checked` and `:indeterminate`) for styling.

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <title>Three-state checkbox</title>
    <style>
        #threeStateCheckbox {
            position: absolute;
            opacity: 0;
            left: -9999px;
        }
    </style>
</head>

<body>

    <input type="checkbox" id="threeStateCheckbox" value="indeterminate" checked="">
    <label for="threeStateCheckbox">
        Click me to see my three states!
    </label>

</body>

</html>
```

```
}

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;
```

```

        }
      </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>

```

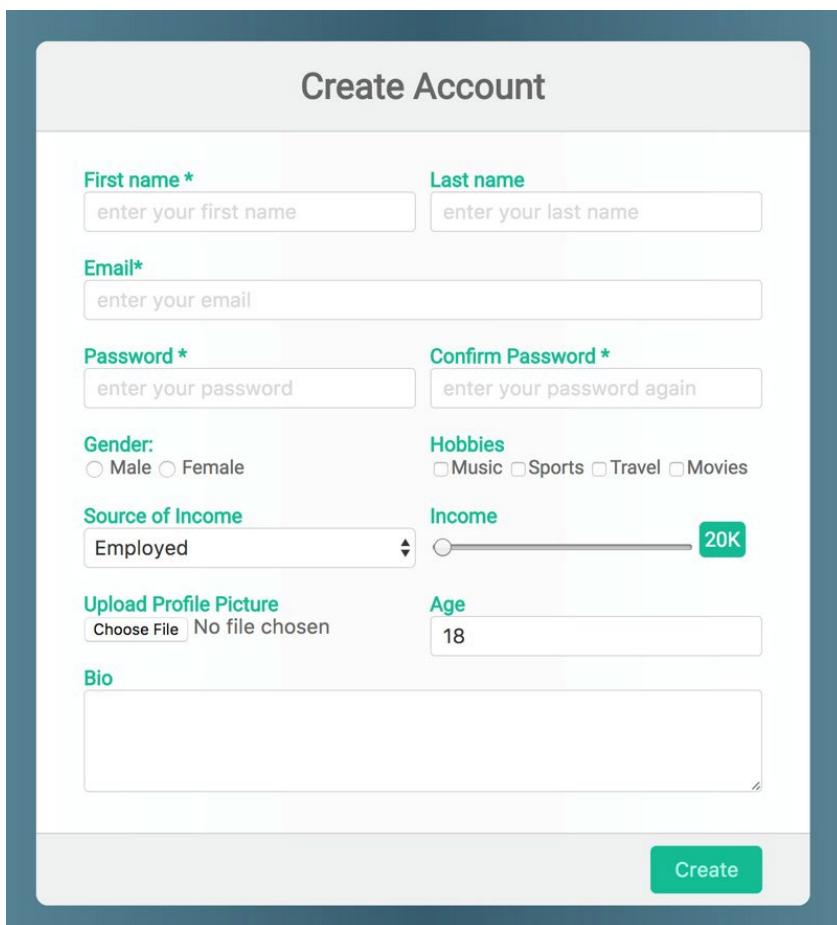
- Some **groups will be selected to present** and **explain** their work to the whole class

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 image shows a "Create Account" form interface. At the top, it says "Create Account". Below that, there are two input fields: "First name *" and "Last name", both with placeholder text "enter your first name" and "enter your last name" respectively. Next, there is an "Email*" field with placeholder "enter your email". Following that are two more fields: "Password *" and "Confirm Password *", both with placeholder "enter your password". Below these, there are gender and hobby sections. The gender section has radio buttons for "Male" and "Female". The hobby section has checkboxes for "Music", "Sports", "Travel", and "Movies". Then, there's a "Source of Income" dropdown menu set to "Employed", and an "Income" slider set to "20K". After that, there's a "Upload Profile Picture" section with a "Choose File" button and a message "No file chosen", and an "Age" input field set to "18". Finally, there's a "Bio" text area and a green "Create" button at the bottom right.

Be as close as possible from this mock up

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