WEEK 4

LOGIN FORM WITH VALIDATIONS

<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<style>
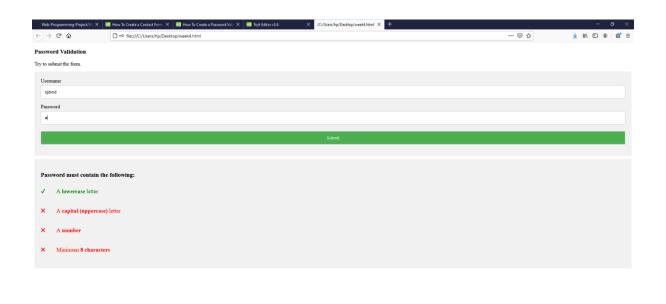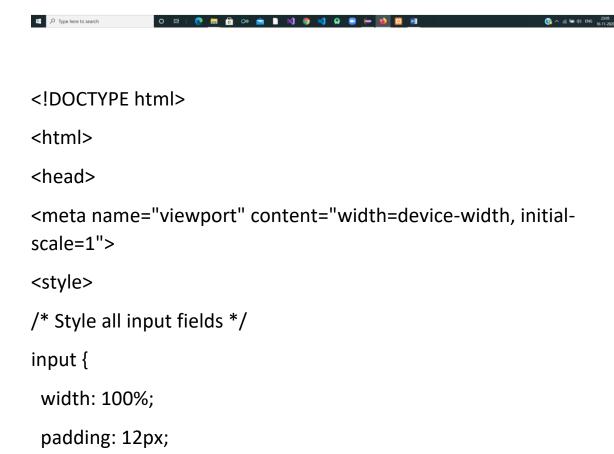
/* Style all input fields */

input {

  width: 100%;

  padding: 12px;

```css
  border: 1px solid #ccc;

  border-radius: 4px;

  box-sizing: border-box;

  margin-top: 6px;

  margin-bottom: 16px;

}


/* Style the submit button */
input[type=submit] {

  background-color: #4CAF50;

  color: white;

}


/* Style the container for inputs */
.container {

  background-color: #f1f1f1;

  padding: 20px;

}


/* The message box is shown when the user clicks on the password field */
#message {

  display:none;

  background: #f1f1f1;
```

```css
  color: #000;

  position: relative;

  padding: 20px;

  margin-top: 10px;

}


#message p {

  padding: 10px 35px;

  font-size: 18px;

}


/* Add a green text color and a checkmark when the requirements
are right */

.valid {

  color: green;

}


.valid:before {

  position: relative;

  left: -35px;

  content: "✓";

}
```

```
/* Add a red text color and an "x" when the requirements are wrong
*/
.invalid {
  color: red;
}

.invalid:before {
  position: relative;
  left: -35px;
  content: "✗";
}
</style>
</head>
<body>

<h3>Password Validation</h3>
<p>Try to submit the form.</p>

<div class="container">
  <form action="/action_page.php">
    <label for="usrname">Username</label>
    <input type="text" id="usrname" name="usrname" required>

    <label for="psw">Password</label>
```

```html
    <input type="password" id="psw" name="psw"
pattern="(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,}" title="Must contain at
least one number and one uppercase and lowercase letter, and at
least 8 or more characters" required>

    <input type="submit" value="Submit">
  </form>
</div>

<div id="message">
  <h3>Password must contain the following:</h3>
  <p id="letter" class="invalid">A <b>lowercase</b> letter</p>
  <p id="capital" class="invalid">A <b>capital (uppercase)</b>
letter</p>
  <p id="number" class="invalid">A <b>number</b></p>
  <p id="length" class="invalid">Minimum <b>8 characters</b></p>
</div>

<script>
var myInput = document.getElementById("psw");
var letter = document.getElementById("letter");
var capital = document.getElementById("capital");
var number = document.getElementById("number");
var length = document.getElementById("length");
```

```javascript
// When the user clicks on the password field, show the message box
myInput.onfocus = function() {
  document.getElementById("message").style.display = "block";
}


// When the user clicks outside of the password field, hide the message box
myInput.onblur = function() {
  document.getElementById("message").style.display = "none";
}


// When the user starts to type something inside the password field
myInput.onkeyup = function() {
  // Validate lowercase letters
  var lowerCaseLetters = /[a-z]/g;
  if(myInput.value.match(lowerCaseLetters)) {
    letter.classList.remove("invalid");
    letter.classList.add("valid");
  } else {
    letter.classList.remove("valid");
    letter.classList.add("invalid");
  }

  // Validate capital letters
```

```javascript
var upperCaseLetters = /[A-Z]/g;
if(myInput.value.match(upperCaseLetters)) {
  capital.classList.remove("invalid");
  capital.classList.add("valid");
} else {
  capital.classList.remove("valid");
  capital.classList.add("invalid");
}

// Validate numbers
var numbers = /[0-9]/g;
if(myInput.value.match(numbers)) {
  number.classList.remove("invalid");
  number.classList.add("valid");
} else {
  number.classList.remove("valid");
  number.classList.add("invalid");
}

// Validate length
if(myInput.value.length >= 8) {
  length.classList.remove("invalid");
  length.classList.add("valid");
} else {
```

```
        length.classList.remove("valid");

        length.classList.add("invalid");

      }

    }

</script>


</body>

</html>
```