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***HTML***

<!DOCTYPE html>

<html>

<head lang="en">

<meta charset="utf-8" />

<title>LAB 8 | Form Validation using jQuery</title>

<link rel="stylesheet" href="./styles.css" />

<script

src="https://code.jquery.com/jquery-3.6.0.slim.min.js"

integrity="sha256-u7e5khyithlIdTpu22PHhENmPcRdFiHRjhAuHcs05RI=" crossorigin="anonymous" defer></script>

<script defer src="./app.js"></script>

</head>

<body>

<form id="form" action="/" method="POST">

<fieldset>

<legend>Photo Details</legend>

<table>

<tr>

<td colspan="2">

<p>

<div id="error-message"></div>

</p>

<p>

<label for="title">Title\*</label> <br />

<input id="title" type="text" name="title" size="85"/>

</p>

<p>

<label for="description">Description\*</label><br />

<textarea id="description" name="description" rows="5" cols="85"></textarea>

</p>

</td>

</tr>

<tr>

<td>

<p>

<label for="continent">Continent</label>

<select id="continent" name="continent">

<option>Choose continent</option>

<option>Africa</option>

<option>Asia</option>

<option>Europe</option>

<option>North America</option>

<option>South America</option>

</select>

</p>

<p>

<label for="country">Country</label>

<select id="country" name="country">

<option>Choose country</option>

<option>India</option>

<option>France</option>

<option>USA</option>

<option>Brazil</option>

<option>China</option>

<option>Canada</option>

</select>

</p>

<p>

<label for="city">City</label><br />

<input id="city" type="text" name="city" list="cities" size="45" />

<datalist id="cities">

<option>New Delhi</option>

<option>New York</option>

<option>Paris</option>

</datalist>

</p>

</td>

<td>

<div class="box">

<label for="copyright">Copyright? </label><br />

<input type="radio" name="copyright" value="1" />All rights reserved<br />

<input type="radio" name="copyright" value="2" checked

/>Creative Commons<br />

</div>

<div class="box">

<label for="cc">Creative Commons Types </label><br />

<input type="checkbox" name="cc" />Attribution<br />

<input type="checkbox" name="cc" />Noncommercial <br />

<input type="checkbox" name="cc" />No Derivative Works <br />

<input type="checkbox" name="cc" />Share Alike

</div>

</td>

</tr>

<tr>

<td colspan="2">

<input id="accept" type="checkbox" name="accept" />

<label for="accept">I accept the software license\*</label>

</td>

</tr>

<tr>

<td>

<p>

<label for="rate">Rate this photo:</label>

<input id="rate" type="number" min="1" max="10" name="rate" />

</p>

<p>

<label>Color Collection:</label>

<input id="color" type="color" name="color" />

</p>

</td>

<td>

<div class="box">

<p>

<label for="date1">Date Taken:</label>

<input id="date" type="date" name="date" />

</p>

<p>

<label>Time Taken:</label>

<input id="time" type="time" name="time" />

</p>

</div>

</td>

</tr>

<tr>

<td colspan="2">

<center>

<button id="submit-button" type="submit" class="button">Submit</button>

<button id="reset-button" type="reset" value="Clear Form" class="button"> Clear Data

</button>

</center>

</td>

</tr>

</table>

</fieldset>

</form>

</body>

</html>

***CSS***

body {

font-family: "Segoe UI", Tahoma, Geneva, Verdana, sans-serif; margin: 0;

padding: 0;

line-height: 1.5rem;

}

table {

border-collapse: collapse; border-spacing: 0;

margin: 0 auto;

}

td {

vertical-align: baseline; padding: 0 1.5rem;

}

legend {

background-color: #757de8; width: 80%;

padding: 0.25rem; text-align: center; border-radius: 4px; color: white;

font-weight: bold;

}

fieldset {

margin: 1rem auto; background-color: #fafcff; width: 60%;

}

form p {

margin-top: 0.5em;

}

.box

{

border: 1pt solid #95bef0; border-radius: 4px; padding: 0.5rem;

margin-bottom: 0.5rem;

}

Button

{

margin: 1rem 0; padding: 0.5rem 1rem; color: white;

font-weight: bold; border: none; border-radius: 4px;

background-color: #3f51b5;

}

button:hover

{

background-color: #2e3c86;

}

/\* ERROR CSS \*/

.error

{

border: 2px solid red;

}

.error-accept

{

color: red;

}

#error-message

{

font-size: 12px;

text-transform: uppercase; color: red;

font-weight: bold; line-height: 20px;

}

***JAVASCRIPT***

var errorMessages = []; var title = $("#title");

var description = $("#description"); var acceptLicense = $("#accept");

$("#form").submit(function (e) {

if (title.val() === "" || title.val() === null) { title.addClass("error"); errorMessages.push("Name is required");

}

if (description.val() === "" || description.val() === null) { description.addClass("error"); errorMessages.push("Description is required");

}

if (!acceptLicense.prop("checked")) { acceptLicense.next().addClass("error-accept"); errorMessages.push("Please Accept the software license");

}

// we check if we have errors if (errorMessages.length > 0) {

e.preventDefault(); // if we have errors, we don't want to submit the form

$("#error-message").text(errorMessages.join(" | ")); errorMessages = [];

}

});

// removing the css border when user inputs anything

$(title).change(function () { title.removeClass("error");

});

$(description).change(function () { description.removeClass("error");

});

$(acceptLicense).change(function () { acceptLicense.next().removeClass("error-accept");

});

// reset buttons clears all errors and red styling

$("#reset-button").click(function () { errorMessages = []; title.removeClass("error"); description.removeClass("error");

acceptLicense.next().removeClass("error-accept");

$("#error-message").text(null);

});

***OUTPUT***

