Jesus Nolazco

Chapter 15 Assignments

**Page 430-431 Length Property Loop**

Graphical user interface, application

Description automatically generated

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Length Property Loop</title>

</head>

<body>

    <h1>Form Lengths</h1>

    <h2>Form 1</h2>

    <form>

        <label>Name:</label><input type="text"><br>

        <label>E-mail:</label><input type="text"><br>

        <input type="submit" value="Submit">

    </form>

    <h2>Form 2</h2>

    <form>

        <label>Favorite Color:</label><input type="text"><br>

        <label>Favorite Food:</label><input type="text"><br>

        <input type="reset" value="Reset">

        <input type="submit" value="Submit">

    </form>

    <h2>Results</h2>

    <script src="app.js"></script>

</body>

</html>

for (let count = 0; count < document.forms.length; count++) {

    let formnum = count + 1;

    document.write("Form " + formnum + " has " + document.forms[count].length + " elements.<br>");

}

**Page 433-434 Action Property**

Graphical user interface, text, application

Description automatically generated

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Action Property</title>

</head>

<body>

    <form name="info\_form" action="http://someplace.com/php/form.php">

        <label>Name:</label><input type="text"><br>

        <input type="submit">

    </form>

    <script src="app.js"></script>

</body>

</html>

document.write("The form goes to " + document.info\_form.action);

**Page 437 submit()**

Text

Description automatically generated with medium confidence

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>submit()</title>

</head>

<body>

    <form id="my\_form" action="send\_email.php">

        <label>E-mail:</label><input type="text" id="email"><br><br>

        <a href="submit.html" id="subm">Submit</a>

    </form>

    <script src="app.js"></script>

</body>

</html>

let my\_form = document.getElementById("my\_form"),

    subm = document.getElementById("subm");

subm.addEventListener("click", function(event) {

    let email = document.getElementById("email").ariaValueMax;

    event.preventDefault();

    my\_form.submit();

}, false);

**Page 443 is checkbox checked?**

Graphical user interface

Description automatically generated with medium confidence

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Is Checkbox Checked?</title>

</head>

<body>

    <form id="signup\_form">

        <label for="email">E-mail:</label>

        <input type="text" name="email" id="email"><br><br>

        <input type="checkbox" name="agree" id="agree" value="agree">Agree to Terms (

        <a href="terms.html" target="\_blank">View Terms</a>)<br><br>

        <input type="submit" name="submit" id="submit" value="Submit">

    </form>

    <script src="app.js"></script>

</body>

</html>

let s\_form = document.getElementById("signup\_form");

s\_form.addEventListener("submit", function(event) {

    let agree = document.getElementById("agree");

    if (!agree.checked) {

        event.preventDefault();

        alert('Error: The "Agree to Terms" checkbox must be checked');

    }

}, false);

**Page 445 Try This 15-1**

Graphical user interface, application

Description automatically generated

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Try This 15-1</title>

</head>

<body>

    <form id="getphone">

        <label for="phone">Phone Number (XXX-XXX-XXXX):</label>

        <input type="text" id="phone"><br><br>

        <input type="submit" value="Submit">

    </form>

    <script src="prjs15\_1.js"></script>

</body>

</html>

let getphone = document.getElementById("getphone");

getphone.addEventListener("submit", function(event) {

    let phone = document.getElementById("phone").value,

        tomatch = /^\d{3}-\d{3}-\d{4}$/;

    event.preventDefault();

    if (tomatch.test(phone)) {

        alert("Phone number validated.");

    } else {

        alert("Invalid phone number entered. Valid Format XXX-XXX-XXXX.");

    }

}, false);

**Page 447-448 Meter element**

Graphical user interface, text, application

Description automatically generated

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Meter Element</title>

</head>

<body>

    <h1>Math Quiz</h1>

    <form id="qform">

        <label for="q1">1. 2 + 2 = </label>

        <input type="text" name="q1" id="q1"><br><br>

        <label for="q2">2. 2 x 255 x 5 = </label>

        <input type="text" name="q2" id="q2"><br><br>

        <label for="q3">3. 7436 - 2478 = </label>

        <input type="text" name="q3" id="q3"><br><br>

        <input type="submit" value="Check Answers">

    </form><br>

    <div id="grade"></div>

    <script src="app.js"></script>

</body>

</html>

let qform = document.getElementById("qform"),

    qs = [document.getElementById("q1"), document.getElementById("q2"), document.getElementById("q3")],

    ans = [4, 2550, 4958],

    grade = document.getElementById("grade");

qform.addEventListener("submit", function(event) {

    let num\_correct = 0,

        num\_questions = qs.length,

        grade\_HTML = "";

    event.preventDefault();

    for (let i = 0; i < num\_questions; i++) {

        if (+qs[i].value === ans[i]) {

            num\_correct += 1;

        }

    }

    grade\_HTML = '<meter min="0" max="' + num\_questions + '" ';

    grade\_HTML += 'value="' + num\_correct + '">';

    grade\_HTML += num\_correct + '</meter> ';

    grade\_HTML += num\_correct + '/3 Correct';

    grade.innerHTML = grade\_HTML;

}, false);

**Page 449 Progress Element**

Graphical user interface, application

Description automatically generated

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Progress Element</title>

</head>

<body>

    <h1>Math Quiz</h1>

    <form id="qform">

        <label for="q1">1. 2 + 2 = </label>

        <input type="text" name="q1" id="q1"><br><br>

        <label for="q2">2. 2 x 255 x 5 = </label>

        <input type="text" name="q2" id="q2"><br><br>

        <label for="q3">3. 7436 - 2478 = </label>

        <input type="text" name="q3" id="q3"><br><br>

        <input type="submit" value="Check Answers">

    </form><br>

    <div id="grade"></div>

    <script src="app.js"></script>

</body>

</html>

let qform = document.getElementById("qform"),

    qs = [document.getElementById("q1"), document.getElementById("q2"), document.getElementById("q3")],

    ans = [4, 2550, 4958],

    grade = document.getElementById("grade");

qform.addEventListener("submit", function(event) {

    let num\_correct = 0,

        num\_questions = qs.length,

        grade\_HTML = "",

        score = 0;

    event.preventDefault();

    for (let i = 0; i < num\_questions; i++) {

        if (+qs[i].value === ans[i]) {

            num\_correct += 1;

        }

    }

    score = Math.round(num\_correct / num\_questions \* 100);

    grade\_HTML = '<progress max="100" ';

    grade\_HTML += 'value="' + score + '">';

    grade\_HTML += score + '%</progress> ';

    grade\_HTML += 'Grade: ' + score + '%';

    grade.innerHTML = grade\_HTML;

}, false);

**Page 455 Try This 15-2**

Graphical user interface, application

Description automatically generated

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Try This 15-2</title>

</head>

<body>

    <form id="getphone">

        <label for="phone">Phone Number (XXX-XXX-XXXX):</label>

        <input type="text" id="phone"><br><br>

        <input type="submit" value="Submit">

    </form>

    <script src="prjs15\_2.js"></script>

</body>

</html>

let getphone = document.getElementById("getphone");

getphone.addEventListener("submit", function(event) {

    let phone = document.getElementById("phone").value,

        tomatch = /^\d{3}-\d{3}-\d{4}$/;

    event.preventDefault();

    if (!tomatch.test(phone)) {

        alert("Invalid phone number entered. Valid format is XXX-XXX-XXXX.");

    }

}, false);