

Joe Kimpel

CS 601

HW 5

7.21.12

To view this assignment live:

<http://jkcs601.zxq.net/hw5.html>

Screenshots:

The screenshot shows a web form titled "Homework 5" in a dark blue header. The form area has a light blue background and contains three input fields: "Name:" with the value "Joe Kimpel", "Zip Code:" with the value "02144", and "Email Address:" with the value "jmkimpel@bu.edu". Below these fields are two buttons: "Submit" and "Clear". At the bottom of the form, there is a light purple footer bar containing the text "Contact: jmkimpel@bu.edu" and "©Joe Kimpel 2012".

The screenshot shows a confirmation page titled "Thanks!" in a light blue header. The main content area has a light blue background and displays the text "I got:" followed by a bulleted list of the submitted information: "Name: Joe Kimpel", "Zip: 02144", and "Email: jmkimpel@bu.edu". Below the list, two green boxes highlight the validation status: "Name: Joe Kimpel passes validation." and "Zip: 02144 passes validation.". The footer bar is light purple and contains the text "Contact: jmkimpel@bu.edu" and "©Joe Kimpel 2012".

<u>Thanks!</u>
I got: ◦ Name: Joe Kimpel ◦ Zip: foo ◦ Email: jmkimpel@bu.edu Name: Joe Kimpel passes validation. Zip: foo fails validation.
Contact: jmkimpel@bu.edu
©Joe Kimpel 2012

Source Code:

hw5.html:

```

<!doctype html>
<!--
    Joe Kimpel
    HW5
    CS 601
    7.21.2012
-->
<html lang="en">
<head>
    <title>Joe K's Homework 5</title>
    <meta charset="utf-8"/>
    <link href="style.css" type="text/css" rel="stylesheet"/>
    <script src="script.js"></script>
</head>
<body>
    <h2>Homework 5</h2>
    <form name="feedbackForm" id="feedbackForm" action="hw5.php"
method="get" onSubmit="return validate(this)">
        <div>
            Name:
            <input name="name" id="name" type="text"/>
        </div>
        <div>
            Zip Code:
            <input name="zip" id="zip" type="text"/>
        </div>
        <div>
            Email Address:
            <input name="emailAddress" id="emailAddress" type="text"/>

```

```

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

    <div class="footer">Contact: <a
href="mailto:jmkimpel@bu.edu">jmkimpel@bu.edu</a></div>
    <div class="footer"><small>&copy;Joe Kimpel 2012</small></div>
</body>
</html>

```

hw5.php:

```

<!doctype html>
<!--
    Joe Kimpel
    HW5
    CS 601
    7.21.2012
-->
<html lang="en">
<head>
    <title>Joe K's Homework 5 - Response</title>
    <meta charset="utf-8"/>
    <link href="style.css" type="text/css" rel="stylesheet"/>
</head>
<body>
    <?php

        function validateName($n){
            $pattern = '/^.{5,}$/';
            if (preg_match($pattern, $n)){
                return True;
            } else{
                return False;
            }
        }

        function validateZip($z){
            $pattern = '/^\d{5}$/';
            if (preg_match($pattern, $z)){
                return True;
            } else{
                return False;
            }
        }
    }

```

```

    }

    $name = $_GET['name'];
    $zip = $_GET['zip'];
    $email = $_GET['emailAddress'];
?>
<h1>Thanks!</h1>
<div>I got:
    <ul>
        <li>Name: <?= $name?></li>
        <li>Zip: <?= $zip?></li>
        <li>Email: <?= $email?></li>
    </ul>
</div>
<div>
    <?php
        if (validateName($name)){
            echo "<span class='pass'>Name: $name passes
validation.</span>";
        } else{
            echo "<span class='fail'>Name: $name fails
validation.</span>";
        }
    ?>
</div>
<div>
    <?php
        if (validateZip($zip)){
            echo "<span class='pass'>Zip: $zip passes
validation.</span>";
        } else{
            echo "<span class='fail'>Zip: $zip fails
validation.</span>";
        }
    ?>
</div>
<div class="footer">Contact: <a
href="mailto:jmkimpel@bu.edu">jmkimpel@bu.edu</a></div>
    <div class="footer"><small>&copy;Joe Kimpel 2012</small></div>
</body>
</html>

```

script.js:

```

/* Script.js
 * Joe Kimpel
 * Homework 2

```

```

* CS 601
* 6.24.12
*/

function validate(feedbackForm){
    //namePattern matches five or more of any characters
    var namePattern= /^[5,}$/g;
    if (!namePattern.test(feedbackForm.name.value)) {
        alert("Please enter at least a five character name.");
        feedbackForm.name.focus();
        return false;
    }
    //zipPattern matches exactly five digit characters
    var zipPattern=/^\d{5}$/g;
    if (!zipPattern.test(feedbackForm.zip.value)){
        alert("Please enter a five-digit, numeric Zip Code.");
        feedbackForm.zip.focus();
        return false;
    }
    //emailPattern matches:
    //    one or more of any character except (/:,;) followed by
    //    '@' followed by
    //    one or more of any character except (/:,;) followed by
    //    '.' followed by
    //    two or more of any character except (/:,;)
    var emailPattern=/^[^\/:,;]{1,}@[^\/:,;]{1,}\.[^\/:,;]{2,}$/g;
    if (!emailPattern.test(feedbackForm.emailAddress.value)){
        alert("Please enter a valid Email Address.");
        feedbackForm.emailAddress.focus();
        return false;
    }
    return true;
}

```

style.css:

```

/*
*   Joe Kimpel
*   CS 601
*   6.12.12
*   Updated 7.21.12 for HW5
*
*/

body{
    background-color: lightgray;
}

```

```
h1{
    text-align: center;
    text-decoration:underline;
    font-weight:bold;
    padding:10px;
    margin-left: 15%;
    margin-right: 15%;
    margin-top: 5px;
    margin-bottom: 0;
    border: 1px solid black;
    background-color: lightblue;
}
```

```
h2{
    text-align: center;
    font-weight: bold;
    padding: 5px;
    margin-left: 15%;
    margin-right: 15%;
    margin-top: 5px;
    margin-bottom: 5px;
    border: 1px solid black;
    background-color: slateblue;
}
```

```
p{
    text-align:center;
    margin-left: 15%;
    margin-right: 15%;
    padding: 5px;
    background-color: aquamarine;
}
```

```
div{
    text-align:center;
    margin-left: 15%;
    margin-right: 15%;
    padding: 5px;
    background-color: cornflowerblue;
}
```

```
div.footer{
    text-align:center;
    margin-left:15%;
```

```

        margin-right:15%;
        padding: 5px;
        border: 1px solid black;
        background-color: thistle;
        margin-top: 5px;
        margin-bottom: 0;
    }

    table{
        margin-left:auto;
        margin-right:auto;
        width:70%;
        background-color: lightgreen;
        margin-top: 5px;
        margin-bottom: 0;
    }

    ul{
        list-style:circle inside;
        margin-left: 15%;
        margin-right: 15%;
        margin-top: 0;
        margin-bottom: 0;
        background-color: mediumpurple;
        margin-top: 5px;
        margin-bottom: 0;
    }

    img{
        display:block;
        margin-left:auto;
        margin-right:auto;
        margin-top: 5px;
        margin-bottom: 0;
    }

    table, td{
        border: 1px solid black;
    }

    td{
        text-align: center;
    }

    span.pass{

```

```
        background-color: green;
    }

    span.fail{
        background-color: red;
    }
```