

Meet Patel

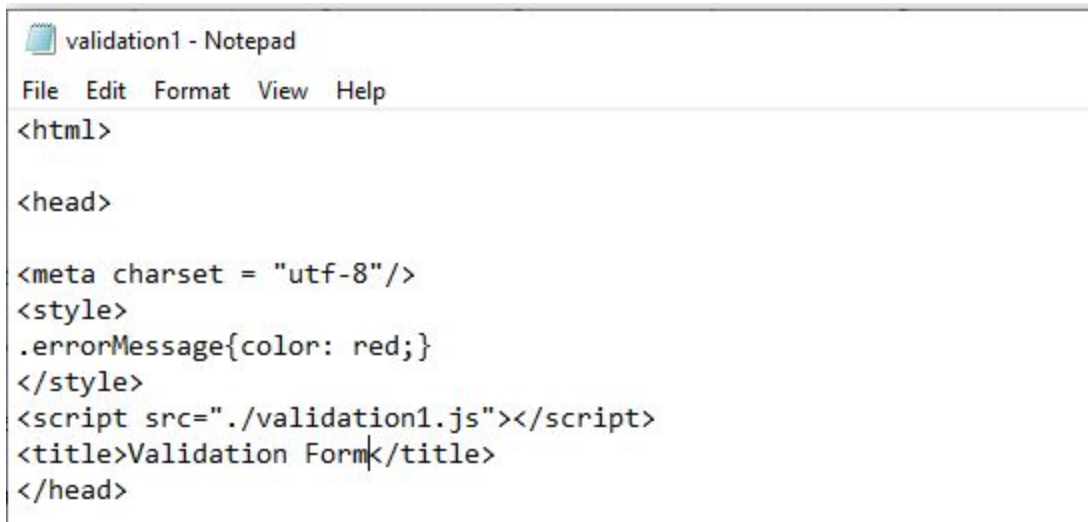
COM S 319

Professor Dr. Kabala

February 14th, 2020

HW 2 Report

I had created a form in HTML and validate entries of the form using Javascript. I created two files validation1.html and validation1.js. The title of the page validation1.html is "Validation Form."



```
validation1 - Notepad
File Edit Format View Help
<html>

<head>

<meta charset = "utf-8"/>
<style>
.errorMessage{color: red;}
</style>
<script src="./validation1.js"></script>
<title>Validation Form</title>
</head>
```

I created a HTML form in validation1.html. I created the field "First Name" in validation1.html

```
<form id="contact information" action="">
  <fieldset>
    <legend>Contact Information</legend>

    <p id="First">
      <label for="first">First name:</label>
      <input id="first" name="first" type="text"/>
    </p>
```

I created the field "Last Name" in validation1.html

```

    <label for="first">First name:</label>
    <input id="first" name="first" type="text"/>
  </p>

  <p id="Last">
    <label for="last">Last name:</label>
    <input id="last" name="last" type="text"/>
  </p>

```

I created the gender dropdown box asking to choose between “male” and “female”. For that, I had to do research in order to write a code asking for selection between multiple choice options. W3Schools resource was helpful for me.

```

    <p id="Gender">
      <label for="gender">Gender: </label>
      <select id="cardtype" name="cardtype">
        <option value="selectcard">Select</option>
        <option value="male">Male</option>
        <option value="female">Female</option>
      </select>
    </p>

```

With the same approach, I created the dropdown menu for asking to choose different states.

```

  <p id="State">
    <label for="state">State: </label>
    <select id="cardtype1" name="cardtype1">
      <option value="selectcard">Select</option>
      <option value="california">California</option>
      <option value="new york">New York</option>
      <option value="texas">Texas</option>
      <option value="Hawaii">Hawaii</option>
      <option value="washington">Washington</option>
      <option value="colorado">Colorado</option>
      <option value="virginia">Virginia</option>
      <option value="iowa">Iowa</option>
      <option value="Arizona">Arizona</option>
    </select>
  </p>

```

At last, I added continue button so that if validation1 form matches the validation rule, than it goes to “Contact Information” page.

```
</p>
<a href = "validation2.html">

<input onClick="validateFirst(); validateLast(); validateGender(); validateState();" "validation2.html";
  type="button" id="continue" name="continue" value="Continue"/>

/fieldset>
```

Next, I created Validation1.js in order to validate different approach to the different problems. I had insights regarding javascript and so, I created the validation rule for “first name” text box that “correct.png” shows up if name contains alphabetic and numeric characters only.



```
validation1 - Notepad
File Edit Format View Help
function validateFirst() {
    valCheck = true;
    var image1 = getImage(alphaNumCheck(document.forms["contact information"]["first"].value), "first");
    document.getElementById("First").appendChild(image1);
}
```

With the similar approach and similar rule, I wrote the another method function validateLast() to validate last name.

```
function validateLast() {
    valCheck = true;
    var image1 = getImage(alphaNumCheck(document.forms["contact information"]["last"].value), "last");
    document.getElementById("Last").appendChild(image1);
}
```

For the gender and state dropdown menu, I chose that it pops up “correct.png” if it selects any dropdown menu otherwise shows “wrong.png”

```

function validateGender() {
    valCheck = true;
    var image1 = getImage(selectCheck(document.forms["contact information"]["cardtype"].value), "cardtype");
    document.getElementById("Gender").appendChild(image1);
}

function validateState() {
    valCheck = true;
    var image1 = getImage(selectCheck1(document.forms["contact information"]["cardtype1"].value), "cardtype1");
    document.getElementById("State").appendChild(image1);
}

```

This was the step for validation rule. And if, validation rule gets successful, it will navigate to another page.

I created validation2.html and validation2.js in the same folder. I made title of validation2.html as “Contact Information”

```

<html>
<head>
<meta charset = "utf-8"/>
<style>
.errorMessage{color: red;}
</style>
<script src="validation2.js"></script>
<title>Contact Information </title>
</head>
<body>
<h1>
Contact information
</h1>

```

In addition, in html page, I created a form using <form> element in order to write the information of “Email Address”, “Phone Number” and “Address” within the form element.

```

</h1>
<form id="contact information" action="" >
  <fieldset>
    <legend>Contact Information</legend>
    <p id="Email">
      <label for="email">Email: </label>
      <input id="email" name="email" type="text" />
    </p>
    <p id="Phone">
      <label for="phone">Phone: </label>
      <input id="phone" name="phone" type="text" />
    </p>
    <p id="Address">
      <label for="address">Address: </label>
      <input id="address" name="address" type="text" />
    </p>
  </fieldset>
</form>

```

In order to validate if the Email, phone number and address are correct, I set the criteria wrote the various methods in validation2.js. For email address, I made sure that the format is “[xxx@xxx.xxx](#)” with no symbol. If the input matches with validation, “correct.png” will pop up. I made sure that it checks if input is correct.

```

validation2 - Notepad
File Edit Format View Help
function validateEmail() {
  valCheck = true;
  var image1 = getImage(emailCheck(document.forms["contact information"]["email"].value), "email");
  document.getElementById("Email").appendChild(image1);
}

```

In order to meet the criteria set for the email, I wrote the condition and helper method.

```

function emailCheck(email) {
  atSplit = email.split('@');
  if (atSplit.length == 2 && alphaNumCheck(atSplit[0])) {
    periodSplit = atSplit[1].split('.');
    if (periodSplit.length == 2 && alphaNumCheck(periodSplit[0] + periodSplit[1])) {
      return true;
    }
  }
}

```

For the phone number, I made the criteria that it matches XXX-XXX-XXXX or XXXXXXXXXXXX format. And I made sure that it checks whether the phone number is correct and if it is then “correct.png” will pop up.

```
function validatePhone() {  
    valCheck = true;  
    var image1 = getImage(phoneCheck(document.forms["contact information"]["phone"].value), "phone");  
    document.getElementById("Phone").appendChild(image1);  
}
```

For the Address, I did similar approach and wrote the method.

```
function validateAddress() {  
    valCheck = true;  
    var image1 = getImage(addressCheck(document.forms["contact information"]["address"].value), "address");  
    document.getElementById("Address").appendChild(image1);  
}
```

And at last, in validation2.html, I created the submit button and if all validation are correct, it will get submitted.