

VALIDATING FORM DATA

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Program:	B.S. IN COMPUTER ENGINEERING	Section:	A361

Intended Learning Outcomes:

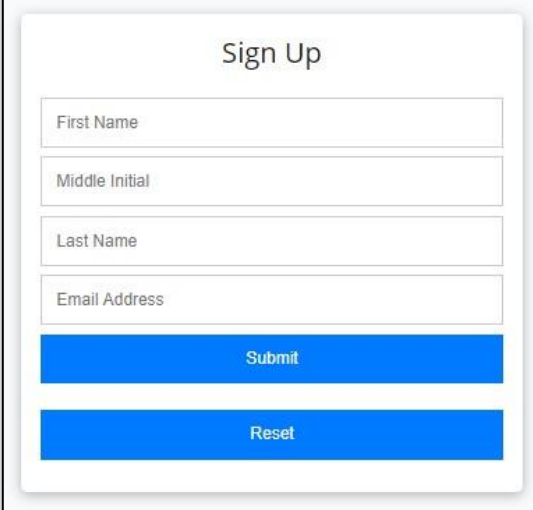
1. Write functions to react to events.
2. Validate HTML forms.

VALIDATING FORM DATA

Design a simple form that contains the following details:

- First Name
- Middle Initial
- Last Name
- E-Mail Address

Here is an example form:



Sign Up

First Name

Middle Initial

Last Name

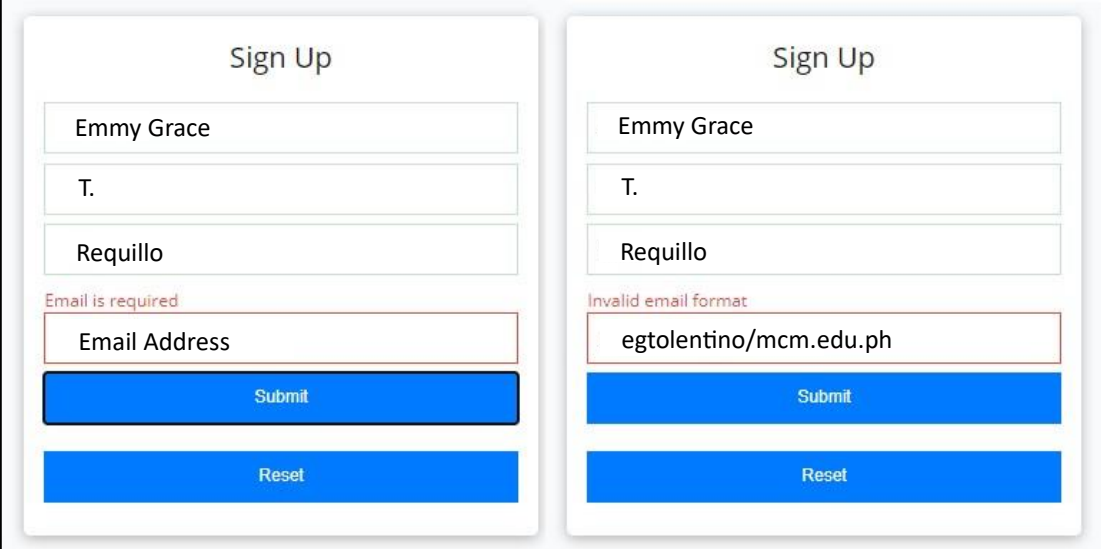
Email Address

Submit

Reset

The form must be able to validate if the First Name, Middle Initial, and Last Name fields have corresponding inputs (regardless of content). The form must also validate if there is an invalid e-mail address format presented. There must be an alert message to signify that there are invalid inputs.

Here is a sample output:



Sign Up

Emmy Grace

T.

Requillo

Email is required

Email Address

Submit

Reset

Sign Up

Emmy Grace

T.

Requillo

Invalid email format

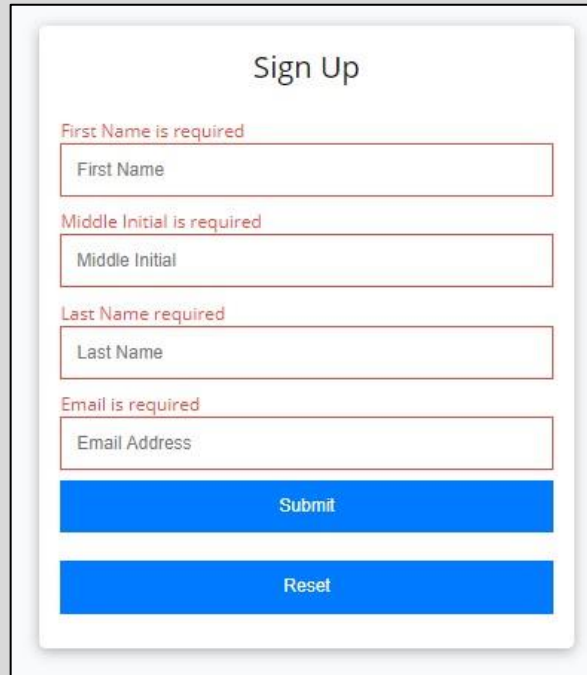
egtolentino/mcm.edu.ph

Submit

Reset

VALIDATING FORM DATA

The form must be able to see if there are no inputs placed. Here is a sample output:



Sign Up

First Name is required

Middle Initial is required

Last Name required

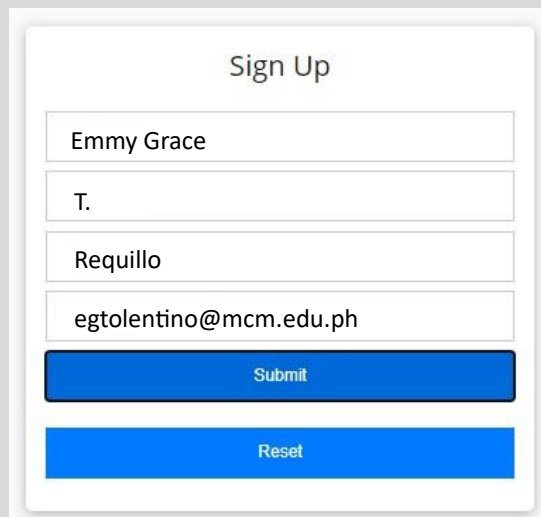
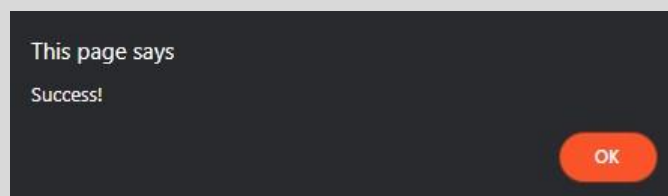
Email is required

Submit

Reset

Once the form validates all inputs, an alert box must be seen that says **Success!**

Here is a sample output:



Sign Up

Submit

Reset

VALIDATING FORM DATA

HTML Source Code:

```
<!-- Name: Peter Miles Anthony L. Laporre -->
<!-- Course: Bachelor of Science in Computer Engineering -->
<!DOCTYPE html>
<html>
<head>
  <title>Simple Form Validation</title>
  <!-- linking CSS file -->
  <link rel = "stylesheet" href = "validData.css">
</head>
<body>
  <!-- Form creation -->
  <form id="myForm">
    <label for = "firstName">First Name</label>
    <input type = "text" id = "firstName" required>

    <label for = "middleInitial">Middle Initial</label>
    <input type = "text" id = "middleInitial" required>

    <label for = "lastName">Last Name</label>
    <input type = "text" id = "lastName" required>

    <label for = "email" >E-Mail Address</label>
    <input type = "text" id = "email" required>

    <input type = "submit" value = "Submit">
  </form>
  <!-- loading javascript file -->
  <script src = "validData.js"></script>
</body>
</html>
```

CSS Source Code:

```
body {
  font-family: Arial, sans-serif;
  text-align: left;
}

form {
  margin: 20px auto;
  max-width: 400px;
  padding: 20px;
  border: 1px solid #ccc;
  border-radius: 5px;
}

label {
  display: block;
  margin-bottom: 5px;
}

input[type = "text"] {
  width: 90%;
  padding: 10px;
  margin-bottom: 10px;
  border: 1px solid #ccc;
  border-radius: 5px;
}
```

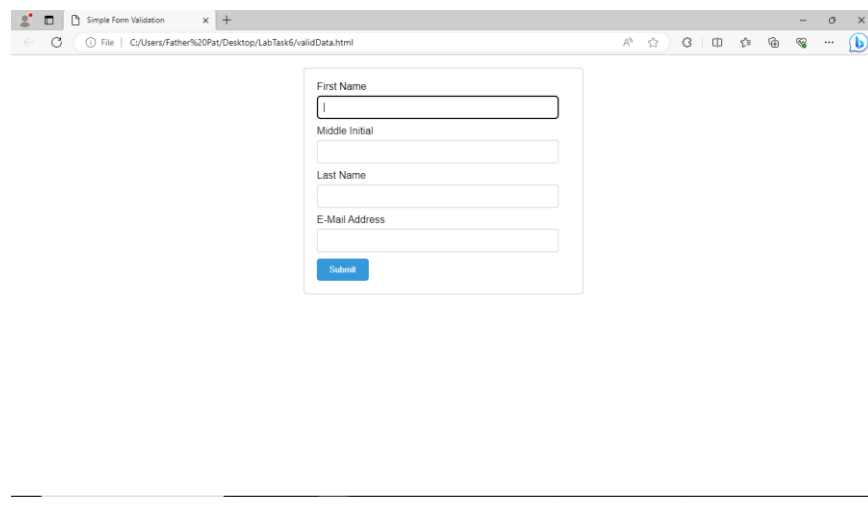
VALIDATING FORM DATA

```
input[type = "submit"] {  
    background-color: #3498db;  
    color: #fff;  
    border: none;  
    padding: 10px 20px;  
    border-radius: 5px;  
    cursor: pointer;  
}  
  
input[type="submit"]:hover {  
    background-color: #2980b9;  
}
```

JavaScript Source Code:

```
const form = document.getElementById("myForm")  
// to function the form  
form.addEventListener("submit", function(event) {  
    event.preventDefault(); // Prevent the form from submitting  
  
    const firstName = document.getElementById("firstName").value;  
    const middleInitial = document.getElementById("middleInitial").value;  
    const lastName = document.getElementById("lastName").value;  
    const email = document.getElementById("email").value;  
  
    if (!firstName || !middleInitial || !lastName || !isValidEmail(email)) {  
        alert("Invalid inputs. Please check your entries.");  
    } else {  
        alert("Success!");  
        form.reset(); // Clear the form  
    }  
});  
  
function isValidEmail(email) {  
    const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;  
    return emailRegex.test(email);  
}
```

Output:



VALIDATING FORM DATA



This page says
Success!

OK

First Name
G

Last Name
Grande

E-Mail Address
alexGrande@gmail.com

Submit



This page says
Invalid inputs. Please check your entries.

OK

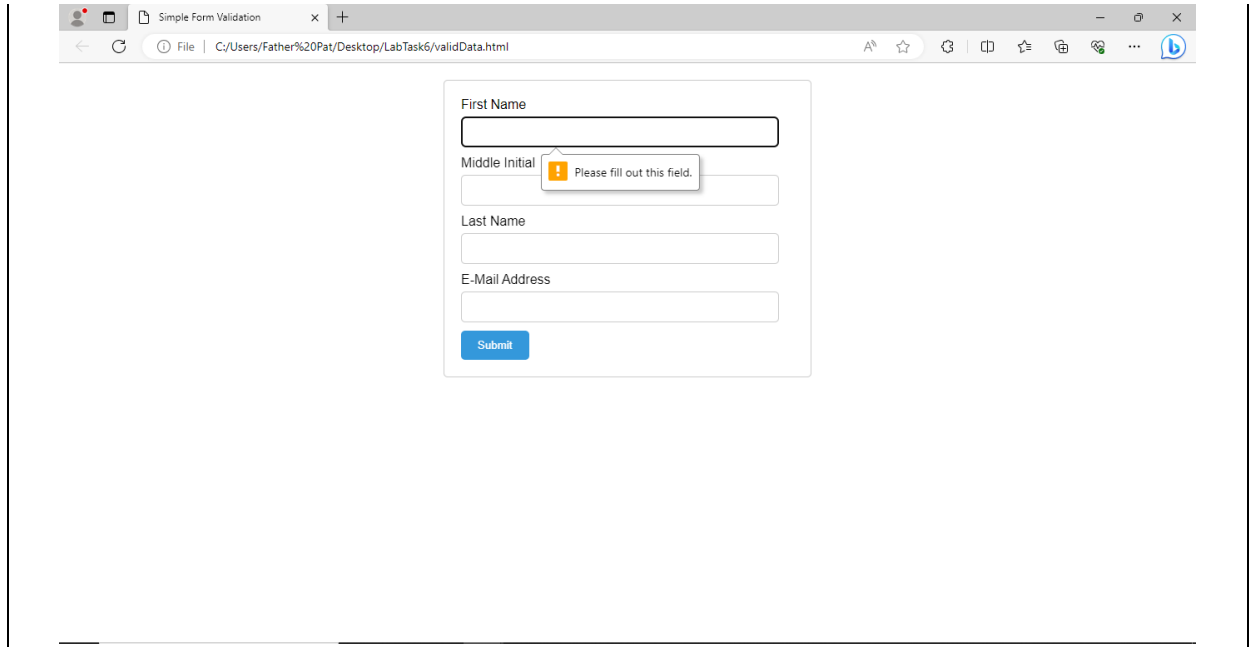
First Name
sadasda

Last Name
asdasda

E-Mail Address
sadasdas

Submit

VALIDATING FORM DATA



The screenshot shows a web browser window titled "Simple Form Validation" with the address bar displaying "C:/Users/Father%20Pat/Desktop/LabTask6/validData.html". The form contains the following elements:

- First Name:
- Middle Initial: (with a validation message: "Please fill out this field.")
- Last Name:
- E-Mail Address:
- Submit:

Findings and Observations:

In accomplishing the laboratory task, I did seek help on the internet for some solutions on how to make a form and make it work like a form validation. I haven't mastered it yet and I'm hoping the next lessons will help me utilize the elements and operations used in the lab task.