

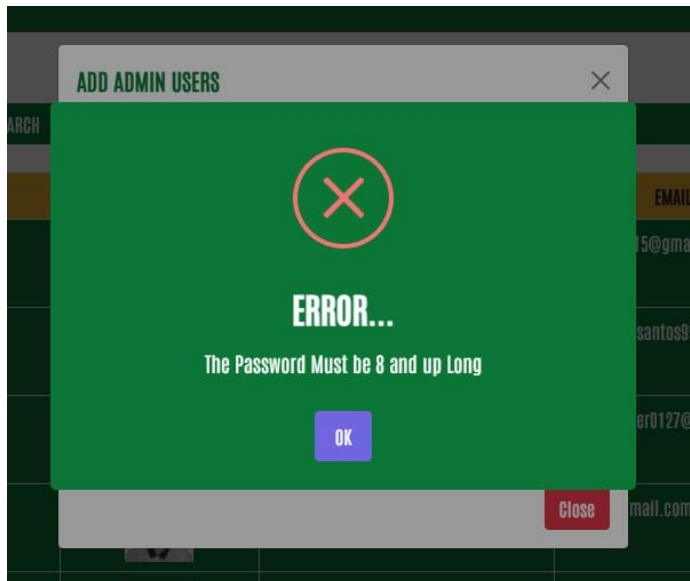
## Activity # 4

### Form Validation

Implementation of JavaScript function in your ongoing system that validates all inputs in your **sign-up** or **account creation** using regular expressions. The function will take an email address, password and name as input and accept the data if the inputs are valid or decline then.

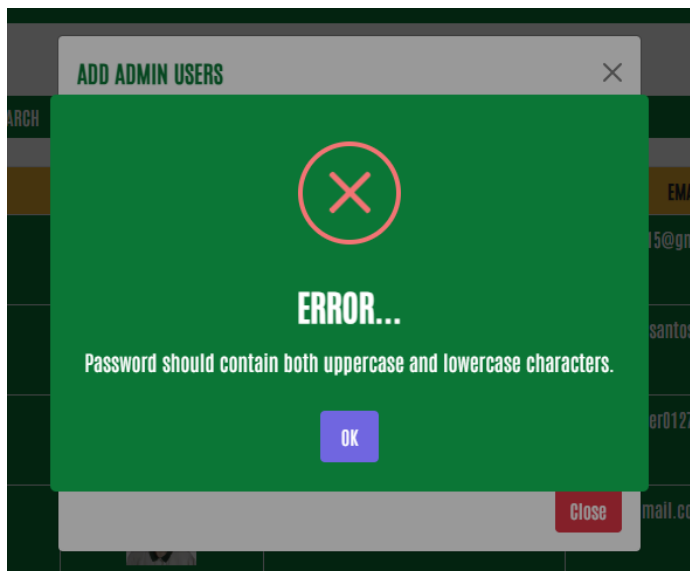
**For password :**

Password contains at least 8 characters



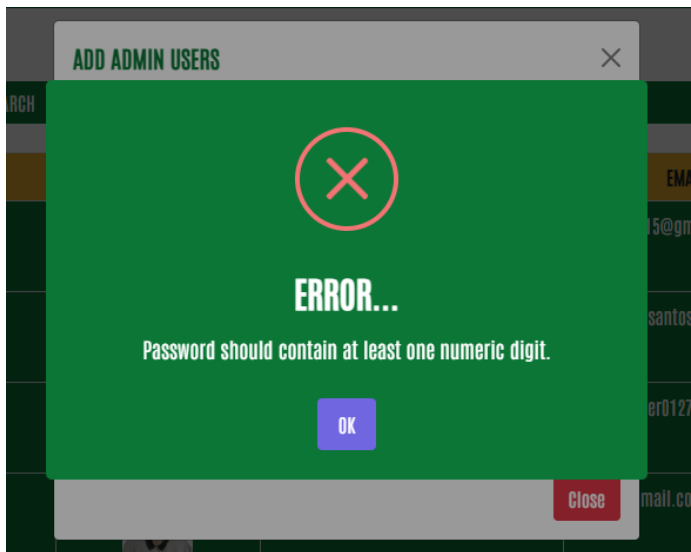
Password contains at least 1 uppercase character

Password contains at least 1 lowercase character

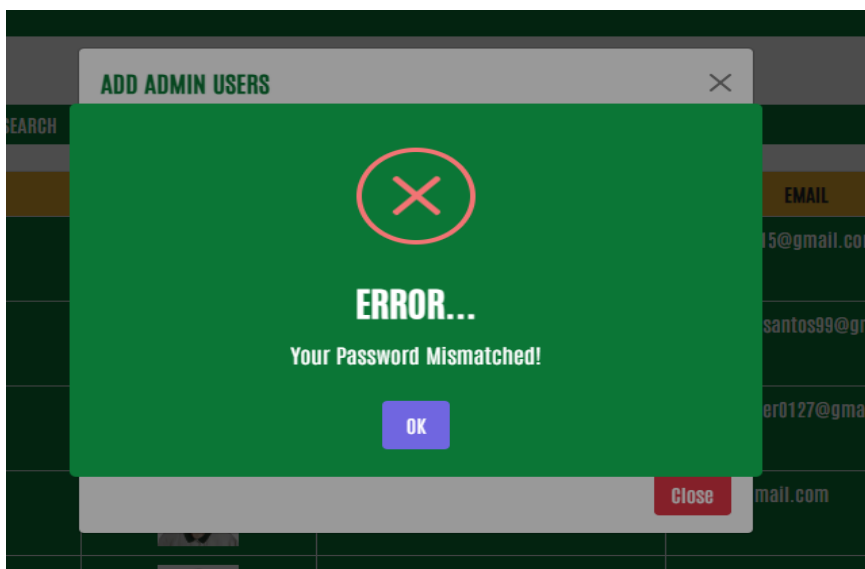
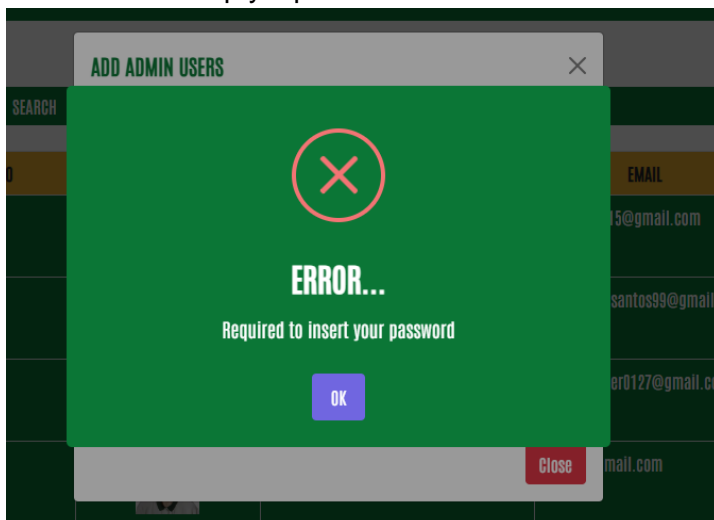


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Password contains atleast 1 numeric characters



Password empty input

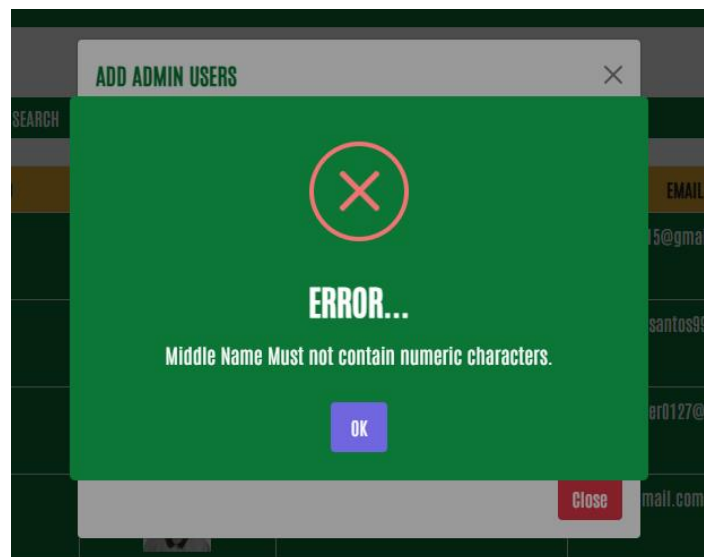
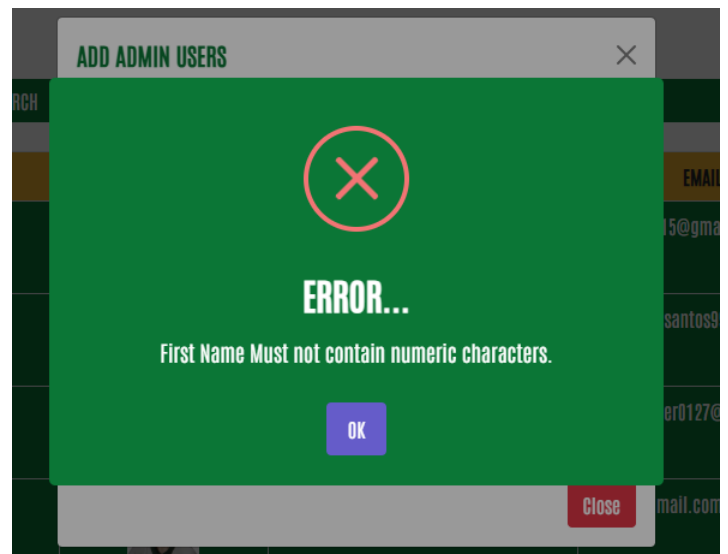
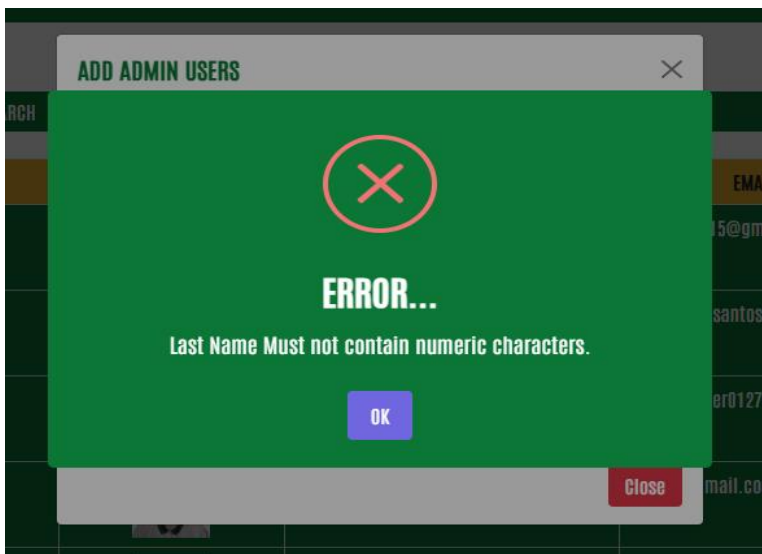


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### For Names :

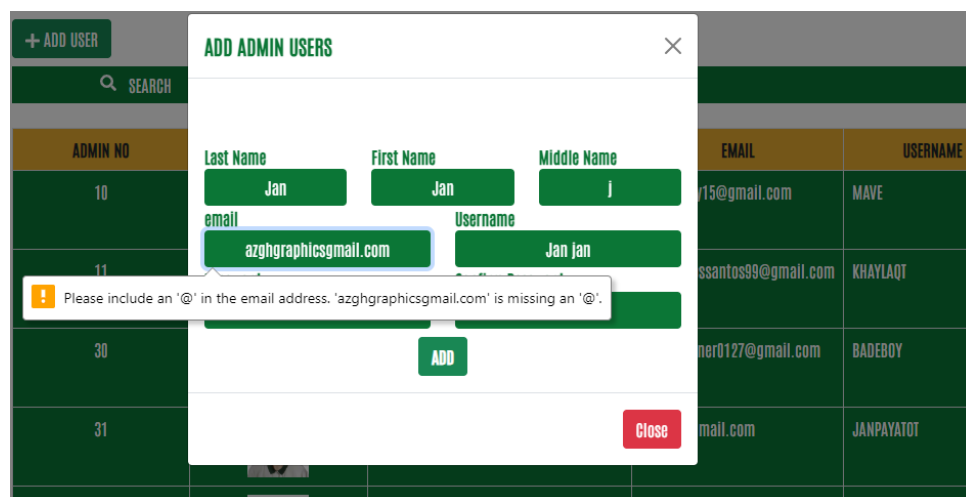
Names should have no numeric characters

Names should only contain letters and spaces.



### For email address:

Email should contain "@" special characters



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Email should have no whitespaces

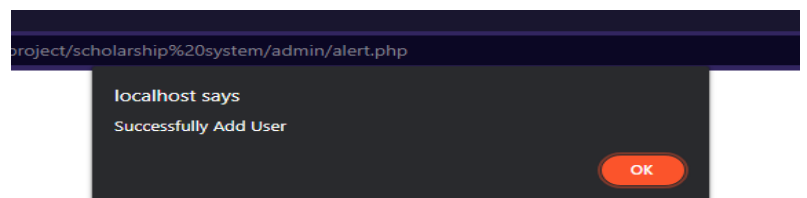
The screenshot shows the 'ADD ADMIN USERS' form with the following fields: Last Name (Jan), First Name (Jan), Middle Name (J), email (azghgraphics@gmail.com), Username (Jan Jan), and Password (janjanjan). An error message is displayed: "A part followed by '@' should not contain the symbol ' '". The form has an 'ADD' button and a 'Close' button.



Email should have real extension name (mga real email : @gmail.com, @yahoo.com and many more)

The screenshot shows the 'ADD ADMIN USERS' form with the following fields: Last Name (Jan), First Name (Jan), Middle Name (J), email (azghgraphics@), Username (Jan Jan), and Password (janjanjan). An error message is displayed: "Please enter a part following '@'. 'azghgraphics@' is incomplete." The form has an 'ADD' button and a 'Close' button.

Correct Output

The screenshot shows the 'ADD ADMIN USERS' form with the following fields: Last Name (Paner), First Name (Jhon Orland), Middle Name (B), email (jhonpayatot@gmail.com), Username (Jan Jan), Password (.....), and Confirm Password (.....). The form has an 'ADD' button and a 'Close' button.



34		BRIOSO CLARISSE	briosoclarisse16@gmail.com	CLACLA	✗
44		PANER JHON ORLAND	jhonpayatot@gmail.com	JANJAN	✗

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### Source Code:

```
<!DOCTYPE html>
<html>
<?php require_once "../parts/adminparts/admin_head.php" ?>
<body>
    <button class="btn btn-success" data-bs-toggle="modal" data-bs-
target="#addUser"><i class="fa fa-plus"></i> ADD USER</button>
</body>
</html>

<!-- MODal -->
<!-- add admin user -->
    <div class="modal fade" id="addUser" tabindex="-1" aria-
labelledby="exampleModalLabel" aria-hidden="true">

    <div class="modal-dialog modal-dialog-centered modal-dialog-
scrollable">

        <div class="modal-content">

            <div class="modal-header">
                <h5 class="modal-title text-uppercase"
id="exampleModalLabel">Add Admin Users</h5>
                <button type="button" class="btn-close" data-bs-dismiss="modal"
aria-label="Close"></button>
            </div>

            <div class="modal-body">

                <form id="registrationForm" onsubmit="validateForm(event)"
name="frmReg" method="post" class="mt-5">
                    <div class="row ">
                        <div class="col-md-4 col-xs-4">
                            <label >Last Name</label>
                            <input type="text" name="lastname" id="lastname"
required class="form-control text-center" placeholder="last name" />
                        </div>

                        <div class="col-md-4 col-xs-4">
                            <label>First Name</label>
                            <input type="text" name="fname" id="fname" required
class="form-control text-center" placeholder="first name" />
                        </div>

                        <div class="col-md-4 col-xs-4">
                            <label >Middle Name</label>
```

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```
        <input type="text" name="mname" id="mname" required
class="form-control text-center" placeholder="middle name" />
    </div>

    <div class="col-md-6 col-xs-4">
        <label>email</label>
        <input type="email" name="email" id="email" required
class="form-control text-center" placeholder="email" />
    </div>

    <div class="col-md-6 col-xs-4">
        <label>Username</label>
        <input type="text" name="username" required
class="form-control text-center" placeholder="Username" />
    </div>

    <div class="col-md-6 col-xs-4">
        <label>Password</label>
        <input type="password" name="password" id="password"
required class="form-control text-center" placeholder="password" />
    </div>

    <div class="col-md-6 col-xs-4">
        <label>Confirm Password</label>
        <input type="password" name="cpass" required
class="form-control text-center" placeholder="confirm password" />
    </div>

    <div class="col-md-12 text-center">
        <button type="submit" name="AddUser" class="btn btn-
outline-success mt-2 text-right fw-bold" onclick="return valReg();">
ADD</button>
    </div>
</div><!-- end of row -->

</form>
</div><!--end of modal body -->

<div class="modal-footer">
    <button type="button" class="btn btn-danger" data-bs-
dismiss="modal">Close</button>
</div>

</div>
```

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```
</div>
```

```
</div>
```

```
<!-- end of add product -->
```

---

JAVASCRIPT CODE

```
<script>
```

```
function valReg(){
```

```
    //end of firstname
```

```
    if (frmReg.fname.value == "")
    {
        Swal.fire({
            background: '#0B7636',
            color: '#fff',
            icon: 'error',
            title: 'ERROR...',
            allowOutsideClick: false,
            allowEscapeKey: false,
            text: 'Required to write your First Name'
        })
        frmReg.fname.focus();
        return false;
    }
```

```
    //end of username
```

```
    if (frmReg.mname.value == "")
    {
        Swal.fire({
            background: '#0B7636',
            color: '#fff',
            icon: 'error',
            allowOutsideClick: false,
```

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```
        allowEscapeKey:false,  
        title: 'ERROR...',  
        text: 'Required to write your Middle Name'  
    ))  
    frmReg.mname.focus();  
    return false;  
}  
  
//end of contact
```

```
if (frmReg.password.value == "")  
{  
    Swal.fire({  
        background: '#0B7636',  
        color: '#fff',  
        icon: 'error',  
        title: 'ERROR...',  
        allowOutsideClick: false,  
        allowEscapeKey:false,  
        text: 'Required to insert your password'  
    })  
    frmReg.password.focus();  
    return false;  
}  
  
/*end of password*/
```

```
if (frmReg.cpass.value == "")  
{  
    Swal.fire({  
        background: '#0B7636',  
        color: '#fff',  
        icon: 'error',  
        title: 'ERROR...',  
        allowOutsideClick: false,  
        allowEscapeKey:false,  
        text: 'Required to Confirm your Password'  
    })  
    frmReg.cpass.focus();  
    return false;  
}
```



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```
/*end of confirm password*/

if ((frmReg.password.value).length < 8)
{
    Swal.fire({
        background: '#0B7636',
        color: '#fff',
        icon: 'error',
        title: 'ERROR...',
        allowOutsideClick: false,
        allowEscapeKey: false,
        text: 'The Password Must be 8 and up Long'
    })
    frmReg.password.focus();
    return false;
}

if (frmReg.password.value != frmReg.cpass.value)
{
    Swal.fire({
        background: '#0B7636',
        color: '#fff',
        icon: 'error',
        title: 'ERROR...',
        allowOutsideClick: false,
        allowEscapeKey: false,
        text: 'Your Password Mismatched!'
    })
    frmReg.password.value="";
    frmReg.cpass.value="";
    frmReg.password.focus();
    return false;
}

return true;
}

function validateForm(event) {
```

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```
// Ito ay para maiwasan ang pagsu-submit ng form at mag-refresh ang
page

// Kunin ang mga input field values

var password = document.getElementById('password').value;
var email = document.getElementById('email').value;
var lastname = document.getElementById('lastname').value;
var fname = document.getElementById('fname').value;
var mname = document.getElementById('mname').value;


// Simpleng validation
if (email === '' || lastname === '' || fname === '' || mname === '')
{
    alert('Please fill in all fields.');
```

return;

}

```
// Numeric validation
if (!isNumeric(password)) {
    Swal.fire({
        background: '#0B7636',
        color: '#fff',
        icon: 'error',
        title: 'ERROR...',
        allowOutsideClick: false,
        allowEscapeKey: false,
        text: 'Password should contain at least one numeric
digit.'
```

})

return false;

}

```
// Uppercase and lowercase validation
if (!hasUppercaseLowercase(password)) {
    Swal.fire({
        background: '#0B7636',
        color: '#fff',
        icon: 'error',
        title: 'ERROR...',
        allowOutsideClick: false,
        allowEscapeKey: false,
        text: 'Password should contain both uppercase and
lowercase characters.'
```

})

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```
    return false;
}

if (!validateEmail(email)) {
    alert('Please enter a valid email address.');
```

```
    return;
}

if (!validateName(lastname)) {
    Swal.fire({
        background: '#0B7636',
        color: '#fff',
        icon: 'error',
        title: 'ERROR...',
        allowOutsideClick: false,
        allowEscapeKey: false,
        text: 'Last Name Must not contain numeric characters.'
    })
    return false;
}

if (!validatelast(fname)) {
    Swal.fire({
        background: '#0B7636',
        color: '#fff',
        icon: 'error',
        title: 'ERROR...',
        allowOutsideClick: false,
        allowEscapeKey: false,
        text: 'First Name Must not contain numeric characters.'
    })
    return false;
}

if (!validatemname(mname)) {
    Swal.fire({
        background: '#0B7636',
        color: '#fff',
        icon: 'error',
        title: 'ERROR...',
        allowOutsideClick: false,
        allowEscapeKey: false,
        text: 'Middle Name Must not contain numeric characters.'
```

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```
        })
    return;
}

// Dito ay maaari mong magdagdag ng iba pang validation checks gaya
ng email format, password length, atbp.

// Kung na-validate na ang form, maaari mo ring ipasa ang data sa
server o gawin ang ibang mga kailangang hakbang.
// Halimbawa:
var formData = {
    email: email,
    password: password,
    lastname: lastname,
    fname: fname,
    mname: mname

};

console.log(formData); // Ito ay isang halimbawa lamang, maaari mong
ipasa ang data sa server gamit ang AJAX o iba pang paraan.

// Maari kang magdagdag ng iba pang code o logic na kailangan mo
pagkatapos ng validation.
}

function validateEmail(email) {
    var re = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
    return re.test(email);
}

function isNumeric(value) {
    return /\d/.test(value);
}

function hasUppercaseLowercase(value) {
    return /[a-z]/.test(value) && /[A-Z]/.test(value);
}

function validateName(lastname) {
    var regex = /^[a-zA-Z\s]*$/; // Regular expression na nag-a-allow ng
mga letra at espasyo lamang
    return regex.test(lastname);
}
```

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```
}  
function validatelast(fname) {  
    var regex = /^[a-zA-Z\s]*$/; // Regular expression na nag-a-allow ng  
    mga letra at espasyo lamang  
    return regex.test(fname);  
}  
  
function validatemname(mname) {  
    var regex = /^[a-zA-Z\s]*$/; // Regular expression na nag-a-allow ng  
    mga letra at espasyo lamang  
    return regex.test(mname);  
}  
</script>
```