

Validating User Inputs with JavaScript

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Why Validate User Inputs?



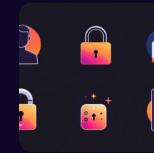
Data Integrity

Prevents incorrect or malicious data submission, safeguarding your system.



Enhanced UX

Improves user experience with instant, clear feedback, reducing frustration.



Key Fields

Focus on essential fields: Name, Email, Password, and Mobile Number for security.

Ajit's Approach:

```
---  
<script>  
function signup() {  
    let name = document.getElementById("name").value.trim();  
    let email = document.getElementById("email").value.trim();  
    let mobile = document.getElementById("mobile").value.trim();  
    let password = document.getElementById("password").value;  
    let hasError = false;  
    if (name === "") {  
        document.getElementById("nameError").textContent = "Please enter your name.";  
        hasError = true;  
    }  
    if (email === "" || !email.includes("@")) {  
        document.getElementById("emailError").textContent = "Please enter a valid email.";  
        hasError = true;  
    }  
    if (mobile === "" || mobile.length !== 10) {  
        document.getElementById("mobileError").textContent = "Please enter a valid 10-digit number.";  
        hasError = true;  
    }  
    if (password.length < 6) {  
        document.getElementById("passError").textContent = "Password must be at least 6 characters.";  
        hasError = true;  
    }  
    if (!hasError) {  
        alert("You are signed up successfully! Welcome, " + name + "!");  
    }  
}  
</script>
```

Create Account

Full Name

Enter your name

Email Address

name@company.com

Mobile Number

10-digit mobile number

Password

Min. 6 characters

Sign Up

Kartik's Approach:

```
<script>
  function validate() {
    const name = document.getElementById("nameBox").value.trim();
    const email = document.getElementById("emailBox").value.trim();
    const pass = document.getElementById("passBox").value;
    const phone = document.getElementById("phoneBox").value.trim();

    const errors = document.querySelectorAll(".error-msg");
    errors.forEach(err => err.innerHTML = "");

    let isValid = true;

    if (name === "") {
      document.getElementById("nameError").innerHTML = "Name is required";
      isValid = false;
    }

    if (!email.includes("@") || !email.includes(".")) {
      document.getElementById("emailError").innerHTML = "Enter a valid email address";
      isValid = false;
    }

    if (pass.length < 6) {
      document.getElementById("passError").innerHTML = "Password must be at least 6 characters";
      isValid = false;
    }

    if (phone.length !== 10) {
      document.getElementById("phoneError").innerHTML = "Enter a valid 10-digit number";
      isValid = false;
    }

    if (isValid) {
      alert("🎉 Registration Successful!");
    }
  }
</script>
```

The screenshot shows a registration form titled "Create Account!" with four input fields: Name, Email Address, Password, and Mobile Number. Each field has a placeholder text and a corresponding error message below it. A "Register Now" button is at the bottom.

Field	Placeholder	Error Message
Name :	Enter your full name	
Email Address :	example@gmail.com	
Password :	Min. 6 characters	
Mobile Number :	10-digit number	

Create Account!

Name : Enter your full name

Email Address : example@gmail.com

Password : Min. 6 characters

Mobile Number : 10-digit number

Register Now

Raj's Approach:

```
<script>
function validateForm() {
    document.getElementById("nameError").innerHTML = "";
    document.getElementById("emailError").innerHTML = "";
    document.getElementById("passwordError").innerHTML = "";
    document.getElementById("mobileError").innerHTML = "";

    var name = document.getElementById("name").value;
    var email = document.getElementById("email").value;
    var password = document.getElementById("password").value;
    var mobile = document.getElementById("mobile").value;

    var isValid = true;

    if (name == "") {
        document.getElementById("nameError").innerHTML = "Field required";
        isValid = false;
    } else {
        var letters = "abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ ";
        for (var i = 0; i < name.length; i++) {
            if (!letters.includes(name[i])) {
                document.getElementById("nameError").innerHTML = "Only characters allowed";
                isValid = false;
                break;
            }
        }
    }

    if (!email.includes("@") || !email.includes(".")) {
        document.getElementById("emailError").innerHTML = "Invalid (Missing @ or .)";
        isValid = false;
    }

    if (password.length < 8) {
        document.getElementById("passwordError").innerHTML = "Min 8 characters";
        isValid = false;
    }

    var digits = "0123456789";
    if (mobile.length != 10) {
        document.getElementById("mobileError").innerHTML = "Must be 10 digits";
        isValid = false;
    } else {
        for (var j = 0; j < mobile.length; j++) {
            if (!digits.includes(mobile[j])) {
                document.getElementById("mobileError").innerHTML = "Only numbers allowed";
                isValid = false;
                break;
            }
        }
    }

    if (isValid) {
        alert("Welcome to our team, " + name + "!");
    }

    return isValid;
}

</script>
```

REGISTER

NAME

Raj124

Only characters allowed

EMAIL

raj224k.in

Invalid (Missing @ or .)

PASSWORD

Min 8 characters

MOBILE

cdhs123

Must be 10 digits

CREATE ACCOUNT

Thank You !!!