

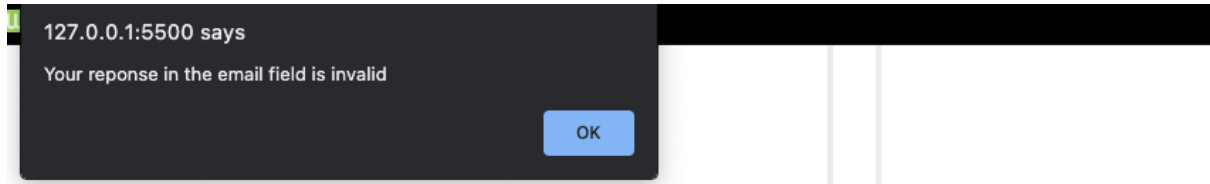
Report – JavaScript lab

Validation alerts

Registration Form

Aravind	✓
Venkateswaran	✓
ara@arac	✗
password	
Type password again	
23/11/1818	✗
Invalid date. Make sure format is DD/MM/YYYY within valid period	
Select/Type Gender	
Opt for marketing material from HealthHacker workshops <input checked="" type="checkbox"/>	
REGISTER	

This is validation performed prior to form submission and has helpful icons next to fields to help user. Some fields also have an helpful message for user to read.



Registration Form

Aravind	✓
Venkateswaran	✓
ara@arac	✗
*****	✓
*****	✓
23/11/2000	✓
Male	✓
<input type="checkbox"/> Opt for marketing material from HealthHacker workshops	
<input type="button" value="REGISTER"/>	

If the form is submitted with an error, an alert prevents submission and directs user to properly fill the invalid field.

127.0.0.1:5500 says

Registration form incomplete

OK

Registration Form

Aravind

✓

Venkateswaran

✓

ara@arac.com

✓

✓

Type password again

23/11/2000

✓

Male

✓

Opt for marketing material from HealthHacker workshops

☒

REGISTER

If the form is incomplete, a similar alert pops up informing the user to fill it completely.

Important code blocks

```
// Toggles validation icon based on input
function toggleVisibility(toggleCondition,objectToToggle,notEmpty){
    if(toggleCondition){
        objectToToggle.classList.remove("hidden")
        objectToToggle.classList.add("visible")
        objectToToggle.innerHTML = "✔"
    }else if(notEmpty){
        objectToToggle.classList.remove("hidden")
        objectToToggle.classList.add("visible")
        objectToToggle.innerHTML = "✖"
    }else{
        objectToToggle.classList.remove("visible")
        objectToToggle.classList.add("hidden")
        objectToToggle.innerHTML = "NA"
    }
}
```

This function validates all inputs. It is provided with a Boolean as first argument, the element to place the icon in the second and another Boolean that indicates whether field is empty as the third. If empty, no icon is shown, if filled and toggleCondition (validation) is false, cross appears. If all is good, a tick appears in the element provided.

```

// Final submit form validation
function validateForm() {
    let messages = document.getElementsByName("messages")

    // Loops to check if all fields contain tick
    for (let message of messages){
        if (message.innerHTML == "✔️"){
            continue

            // If invalid input, user alerted
        }else if (message.innerHTML == "❌"){
            let regex = /^[A-Za-z]+\d?Message/
            const match = message.id.match(regex)
            alert(`Your reponse in the ${match[1]} field is invalid`)
            return false

            // If no input, user alerted
        }else if (message.innerHTML == "NA"){
            alert("Registration form incomplete")
            return false
        }
    }

    // Final message to thank user after everything passes
    let firstName = document.getElementsByName("firstName")[0].value
    document.getElementById("email-collector").classList.add("vanish")
    document.getElementById("form-header").innerHTML = `
    Thank you for registering, ${firstName}!`
    return true
}

```

This function runs when form is submitted. It alerts user if something is wrong and prevents submission. This is performed by checking if all validation fields have the tick icon. If crosses or no icon is present, an appropriate alert message is produced.