

# JavaScript with jQuery for Data Validation

## Web Technologies



Lecture by  
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```
<!doctype html>
<html>
  <head>
    <title>
      Web Technologies
    </title>
    <style>
      p {
        color: blue;
      }
    </style>
    <script>
      console.log("client-side");
    </script>
  </head>
  <body>
    <p>
      Welcome!
    </p>
  </body>
</html>
```



# What we will cover

- **Change event handler**
- **Submit event handler**

# Change ()

```
$("#radio").change( () => {  
    const radioButton = $("#radio:checked").val();  
    if (radioButton == "corporate") {  
        $("#company_name").attr("disabled", false);  
        $("#company_name").next().text("*");  
    } else {  
        $("#company_name").attr("disabled", true);  
        $("#company_name").next().text("");  
    }  
});
```

# Submit ()

```
$("#member_form").submit( event => {
```

```
let isValid = true;
```

```
const emailPattern = /\b[A-Za-z0-9._%+-]+@[A-Za-z0-9.-]+\.[A-  
Za-z]{2,4}\b/;
```

```
const email = $("#email").val().trim();
```

# Email

```
if (email == "") {  
    $("#email").next().text("This field is required.");  
    isValid = false;  
} else if ( !emailPattern.test(email) ) {  
    $("#email").next().text("Must be a valid email address.");  
    isValid = false;  
} else {  
    $("#email").next().text("");  
}  
$("#email").val(email);
```

# Password

```
const password = $("#password").val().trim();
if ( password.length < 6) {
    $("#password").next().text("Must be 6 or more characters.");
    isValid = false;
} else {
    $("#password").next().text("");
}
$("#password").val(password);
```

# Verify

```
const verify = $("#verify").val().trim();
if (verify == "") {
    $("#verify").next().text("This field is required.");
    isValid = false;
} else if (verify !== password) {
    $("#verify").next().text("Must match first password entry.");
    isValid = false;
} else {
    $("#verify").next().text("");
}
$("#verify").val(verify);
```



# Company

```
if ( !$("#company_name").attr("disabled")) {  
  const companyName = $("#company_name").val().trim();  
  if (companyName == "") {  
    $("#company_name").next().text("This field is required.");  
    isValid = false;  
  } else {  
    $("#company_name").next().text("");  
  }  
  $("#company_name").val(companyName);  
}
```

# First Name and Last Name

```
const firstName = $("#first_name").val().trim();  
if (firstName == "") { ...  
} else { ...  
}  
const lastName = $("#last_name").val().trim();  
if (lastName == "") { ...  
} else {  
    |    $("#last_name").next().text("");  
}  
$("#last_name").val(lastName);
```

# Phone

```
const phonePattern = /^\\d{3}-\\d{3}-\\d{4}$/;
const phone = $("#phone").val().trim();
if (phone == "") { //the statement for the error message }
  else if ( !phonePattern.test(phone) ) {
    $("#phone").next().text("Use 999-999-9999 format.");
    isValid = false;
  } else {
    $("#phone").next().text("");
  }
  $("#phone").val(phone);
```

# Invalid Form

```
if (isValid == false) {  
    event.preventDefault();  
}  
});
```

# Try It Yourself

In this activity you can practice to create the data validation script using the JavaScript and jQuery. So,

1. Use the code inside the slides 4 to 12 to create the member.js file.
2. This is the file linked to the HTML file that you created previously. To see how the data validation works you need to open the html file. Note we will cover the second html file in the next video.