

# jQuery for the Email List Application

## 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

- **The Email List Application**
  - HTML
  - JavaScript with jQuery

# The Email List Application

- Form

```
<form id="email_form" name="email_form" action="join.html"
method="get">
```

- Text boxes

```
<label for="email_1">Email Address:</label>
```

```
<input type="text" id="email_1" name="email_1">
```

```
<span>*</span>
```

- Buttons

```
<input type="button" id="join_list" value="Join List">
```

```
<input type="button" id="clear_form" value="Clear Form">
```

## Please join our email list

Email Address:  \*

Confirm Email Address:  \*

First Name:  \*

Join List

Clear Form

# HTML

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Join Email List</title>
  <link rel="stylesheet" href="email_list.css">
  <script src="https://code.jquery.com/jquery-3.4.1.slim.min.js"></script>
  <script src="email_list.js"></script>
</head>
```

# JavaScript and jQuery Code

```
"use strict";
$(document).ready( () => {
    $("#join_list").click( () => { ...
});
$("#clear_form").click( () => { ...
});
$("#email_1").focus();
});
```

# The Join List Button Event Handler

```
"use strict";
$(document).ready( () => {
    $("#join_list").click( () => {
        const email1 = $("#email_1").val();
        const email2 = $("#email_2").val();
        let isValid = true;
        if (email1 === "") { ...
        } else { ...
        }
        if (email2 === "") { ...
        } else if (email1 !== email2) { ...
        } else { ...
        }
        if ($("#first_name").val() === "") { ...
        } else { ...
        }
        if (isValid) { ...
        }
    });
});
```

# Chaining

```
if (email1 === "") {  
    $("#email_1").next().text("This field is required.");  
    isValid = false;  
} else {  
    $("#email_1").next().text(""); }  
if (email2 === "") {  
    $("#email_2").next().text("This field is required.");  
    isValid = false;  
} else if (email1 !== email2) {  
    $("#email_2").next().text("The email addresses must match.");  
    isValid = false;  
} else {  
    $("#email_2").next().text(""); }  
if ($("#first_name").val() === "") {  
    $("#first_name").next().text("This field is required.");  
    isValid = false;  
} else {  
    $("#first_name").next().text(""); }  
if (isValid) {  
    $("#email_form").submit();}
```



# The Clear Button Event Handler

```
$("#clear_form").click( () => {  
    // clear text boxes  
    $("#email_1").val("");  
    $("#email_2").val("");  
    $("#first_name").val("");  
    $("#email_1").next().text("*");  
    $("#email_2").next().text("*");  
    $("#first_name").next().text("*");  
    $("#email_1").focus();  
});  
  
$("#email_1").focus();  
});
```

# Try It Yourself

In this activity, you can try to use the jQuery for the email list web application. So,

1. Use the code from slide 4 to 9 to create the HTML and JavaScript file for the web application.
2. Ensure you are using the same external CSS file as you used previously.