The Email List Application

Web Technologies

Lecture by

Dr Elahe Kani-Zabihi

```html
<!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>
```
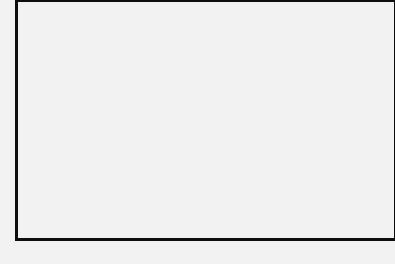
What we will cover

- **The Email List Web Application**
    - HTML
    - JavaScript

The Email List Application

HTML

```html
<h1>Please join our email list</h1>
<form id="email_form" name="email_form" action="join.html" method="get">
    <div>
        <label for="email_1">Email Address:</label>
        <input type="text" id="email_1" name="email_1">
        <span></span>
    </div>
    <div>
        <label for="email_2">Confirm Email Address:</label>
        <input type="text" id="email_2" name="email_2">
        <span>*</span>
    </div>
    <div>
        <label for="first_name">First Name:</label>
        <input type="text" id="first_name" name="first_name">
        <span>*</span>
    </div>
    <div>
        <label> </label>
        <input type="button" id="join_list" value="Join List">
        <input type="button" id="clear_form" value="Clear Form">
    </div>
</form>
```

JavaScript 1

```javascript
const $ = selector => document.querySelector(selector);

document.addEventListener("DOMContentLoaded", () => {

    $("#join_list").addEventListener("click", () => {…
    });

    $("#clear_form").addEventListener("click", () => {
        $("#email_1").value = "";
        $("#email_2").value = "";
        $("#first_name").value = "";

        $("#email_1").focus();
    });

    $("#email_1").focus();
});
```

Please join our email list

Email Address: _____

Confirm Email Address: _____ *

First Name: _____ *

[Join List] [Clear Form]

JavaScript 2

```javascript
$("#join_list").addEventListener("click", () => {
    const email1 = $("#email_1").value;
    const email2 = $("#email_2").value;
    const firstName = $("#first_name").value;
    let errorMessage = "";
    if (email1 == "") {
        errorMessage += "First email is required.\n";}
    if (email2 == "") {
        errorMessage += "Second email is required.\n";}
    if (email1 != email2) {
        errorMessage += "Both emails must match.\n";}
    if (firstName == "") {
        errorMessage += "First name is required.\n";}
    if (errorMessage == "") {
        $("#email_form").submit();
    } else {
        alert(errorMessage); }
});
```

This page says

Both emails must match.
First name is required.

OK

Clear Form

```javascript
$("#clear_form").addEventListener("click", () => {
    $("#email_1").value = "";
    $("#email_2").value = "";
    $("#first_name").value = "";

    $("#email_1").focus();
});
```

Try It Yourself

In this activity, you can practice creating the email list web application. So,

1. **Use the code in slides 5-8 to create the email list web application.**