

APPLICATION WEB DEVELOPMENT

Cascading Style Sheets (CSS)

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Lecturer

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Speciality : Computer Science (ISIL)
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Plan

1 JavaScript

1 JavaScript

- JavaScript is a versatile programming language used for creating dynamic web content.
- Control inputs in JavaScript allow users to interact with web pages, enhancing user experience and functionality.

Manipulating Control Inputs

- JavaScript enables dynamic manipulation of control inputs.
- Using JavaScript, you can :
 - Retrieve input values.
 - Validate input data.
 - Dynamically update input options.
 - Trigger actions based on user input.

Accessing the Input Arena

- **Accessing elements by ID** : `document.getElementById('inputId')`
- **Targeting by name** : `document.getElementsByName('nameAttribute')`
- **Selecting by tag** : `document.getElementsByTagName('input')`
- **Using CSS Selectors** : `document.querySelector('#inputId')`

Modifying Input Values

Changing input content : `element.value = 'newValue'`

```
document.getElementById("username").value = "isil";  
document.getElementById("password").value = "isil@2024";
```

Example : Form Validation

```
<script>
  function validateForm() {
    var username = document.getElementById("username").value;
    var password = document.getElementById("password").value;

    if (username.trim() === "isil" && password.trim() === "isil"){
      // Redirect to the Profile page
      window.location.href =
        "http://127.0.0.1:3000/Profile.html";
      return false; // Prevent form submission
    } else {
      alert("Invalid username or password.");
      return false; // Prevent form submission
    }
  }
</script>
```



```
<script>
```

```
// Function to clear form inputs
```

```
function clearForm() {
```

```
    document.getElementById("username").value = "";
```

```
    document.getElementById("password").value = "";
```

```
}
```

```
</script>
```

```
<form action="post" onsubmit="return validateForm()">
```

```
...
```

```
<button onclick="return clearForm()">Cancel</button>
```

```
<button type="submit">Enter</button>
```

```
...
```

Example : Dynamic Dropdown Menu

```
<script>
function populateDropdown() {
var select = document.getElementById("country");
var countries = ["Algeria", "Canada", "UK", "Australia"];
var defaultOption = document.createElement("option");
defaultOption.text = "Select a country";
defaultOption.disabled = true;
defaultOption.selected = true;
select.add(defaultOption);

countries.forEach(function(country) {
    var option = document.createElement("option");
    option.text = country;
    select.add(option);
});
}

window.onload = function() {
    populateDropdown();
};
</script>

<select id="country" name="country"></select>
```

Questions ?