

COMP6080 WK3 Tutorial

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Agenda

- Week 2 overview
- JavaScript
- Demo

Reminder

Don't forget assignment 1 is due tomorrow 10pm 🙄

No late submissions are accepted (unless with special consideration)

Reminder (cont.)

Assignment 2 has also dropped 🚀 (due next Friday Oct 6, 10pm)

Note: all the HTML/CSS is provided, just need to add the logic in yourself 😊

Any questions?

Last week we covered...

- JavaScript
- DOM
- Events
- Event handlers/listeners

Onto DOM creation...

Creating HTML elements on the DOM

To create a new HTML element on the DOM

```
// instance method("html tag we want to add");  
const element = document.createElement("h1");  
element.innerText = "Hello world";
```


We can one up this

```
const element = document.createElement("h1");  
element.textContent = "Hello world";
```

Note: this approach is better as it's not susceptible to cross site scripting

We can also add other HTML element attributes with `setAttribute`

```
const element = document.createElement("h1");  
element.textContent = "Hello world";  
// assign CSS class of heading-style to the h1 tag  
element.setAttribute("class", "heading-style");
```

To append one element to the DOM

We can use `appendChild`

```
const element = document.createElement("h1");  
element.textContent = "Hello world";  
document.body.appendChild(element);
```

To append multiple elements to the DOM

We can use `append`

```
const element = document.createElement("h1");
element.textContent = "Hello world";
const element1 = document.createElement("h1");
element1.textContent = "6080 is very epic";
document.body.append(element, element1);
```

How do I remove an element from the DOM?

Use `remove`

```
const element = document.createElement("h1");  
element.textContent = "Hello world";  
element.remove();
```

Demo

Let's create a login form that will take in two fields:

- Email
- Password

Demo (cont.)

Upon successful submission, we should dynamically render a confirmation message that the user has logged in.

Appropriate validation must be completed for each field:

- Email: check email format i.e. that it contains @
- Password: must be more than 3 characters but less than 50 characters

Tutorial code can be found at

<https://github.com/joanna209/tutoring/tree/main/comp6080/23T3>