

Day 12 : Morning

More Behavioral JS

Traversal

Parents - HTML tag or element which encapsulates one or more html elements

Children - HTML elements nested directly under another HTML element (Parents)

Siblings - HTML elements nested side by side with the other children.

Nth-child

Selecting Nth-child element from the parent tag/element.

Forms

Forms Definitions

Form - HTML element that allow a user to input information

Field - HTML element nested in a form that represents type of inputs

Forms input field type

Text

Telephone

Password

Textarea

Radio

Submit

checkbox

Forms

```
<form>
```

```
  <label> Username : </label>
```

```
  <input type="text" id="username" name="username" />
```

```
  <label> Password : </label>
```

```
  <input type="password" id="password"  
name="password" />
```

```
  <input type="submit" value="Submit" />
```

```
</form>
```


Events

Events

An abstracted representation of anything that happens on a web page.

[MDN : Events](#)

Events examples

Click

Scroll

Hover

Keypress

Page load

Windows resize

Event Handling

Programming process where you tell the computer / web page to activate certain behavior when an event occurs.

Event handling Example

- Alert user with message when button is clicked
- Slide in and out when page is scrolled
- Underlining text on hover
- Shrinking image when window size is reduced

Callback functions in events

Callback functions are commonly used in events relating behaviors

```
function onClick(function(event) {  
    // some behaviors  
});
```

Callback functions in events (Arrow function)

```
function onClick((event) => {  
  //some behaviors  
});
```

MDN : Arrow functions

Event Listeners

Event Listener is a function that “listens” for an event

```
[element].addEventListener(" [event  
name] ", [function])
```

```
document.addEventListener("DOMContentLoaded", (event) => {  
    alert("The page is loaded")  
});
```

MDN : Events

MDN : Events-Standard Events

DOMContentLoaded

click

DOMElementNameCh
anged

keypress

scroll

Animation

select

W3 Schools : Form submit

Codepen : Day 12 class work

Event Practices

Codepen : Event Practices

Using DOMContentLoaded event, create paragraph element which says “DOM Content Loaded!” in the first box.

Event Practices

Using click event, make the second box rotate 90 degrees.

Challenge! Make targeted box rotate when targeted box is clicked, using `querySelectorAll` method.

Event Practices

Codepen : Scroll Event Practices

Using DOMContentLoaded, create paragraph element which says “DOM Content Loaded!” in the first div.