

## W0 Reading (L6)

**Forms** : Forms are a very common method of interacting with a web page.

- **Searching form**

Name='search'

```
<!doctype html>
<html lang='en'>
<head>
<meta charset='utf-8'>
<title>Search</title>
</head>
<body>
<form name='search' action='/search'>
<input name='searchInput'>
<button type='submit'>Search</button>
</form>
<script src='main.js'></script>
</body>
```

- **Form Events**

The focus event occurs when an element is focused on.

```
const input = form.elements.searchInput;
input.addEventListener('focus', () => alert('focused'), false);
```

**blur** : it occurs when the user moves the focus away from the form element.

```
input.addEventListener('blur', () => alert('blurred'), false);
```

**change**: `input.addEventListener('change', () => alert('changed'), false);`

Note that the blur event will also fire, but after the change event.

- **Hidden Input Fields**

type='hidden'

- These are not displayed by the browser but have a 'value' attribute that can contain information that is submitted with the form.
- They are often used to send information such as settings or information that the user has already provided.

Note that the information in these fields is in no way secret.

type='file'

- These are used to upload files, and most browsers will provide a browse button or similar that lets users select a file from their file system.

- **Other Input Types**

Num

Tel

Color

- **Form Validation**

```
form.addEventListener('submit',validate,false);
function validate(event) {
const firstLetter = form.heroName.value[0];
if (firstLetter.toUpperCase() === 'X') {
event.preventDefault();
alert('Your name is not allowed to start with X!');
}}
```

[Your name is not allowed to start with X!]

- event.preventDefault(): method to stop the form from actually being submitted: