# CM3035 Advanced Web Development

Lesson 5

Created by Ben Gay

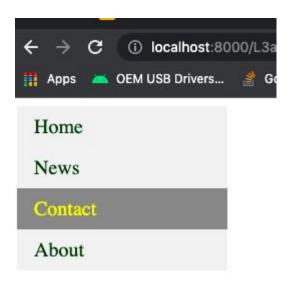
# Cascading style sheet (Css)

#### Navigation menu with css

```
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  width: 210px;
  background-color: #f2f2f2;
li a {
  display: block;
  color: #030;
  padding: 9px 17px;
  text-decoration: none;
li a:hover {
  background-color: #888;
  color: yellow;
```

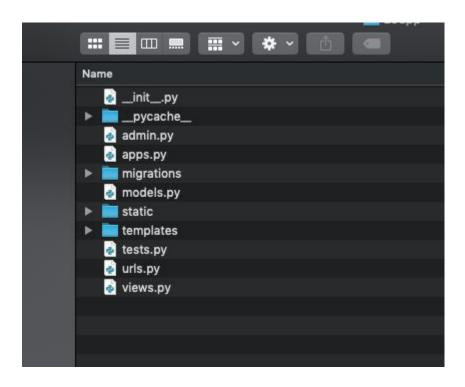
# Cascading style sheet (Css)

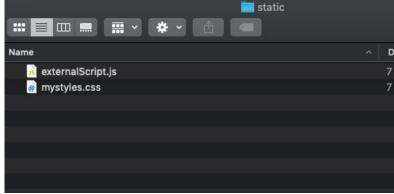
Navigation menu with css



#### **External Css**

Create a static folder in L3app folder and put external css file inside.





#### **External Css**

Link external css to html

```
mystyles.css mycss.html externalScrip

<!DOCTYPE html>

<html>

<head>
{% load static %}

< rel="stylesheet" href="{% static 'mystyles.css' %}">

**The static 'mystyles.css' %}">
```

#### **External Css**

Link external css to html

```
mystyles.css — ~/Des

mystyles.css

1

2 /* External css defined

3

4 .try {

5 color: blue;

6 }

7
```

```
<div class = "try">
  {{ name }}: I am fine
  </div>
```

Tom: I am fine

#### Internal Css

#### Hello Tom, how are you?

```
90
91 <h1>Hello {{ name }}, how are you?</h1>
92
93
94 <br>
```

```
1
2 <style>
3 h1 {
4 background-color: lightblue;
5 color: white;
6 text-align: center;
7 font-family: verdana;
8 font-size: 40px;
9 }
0
```

#### Css Box Model

```
#mypara{
background:pink;
padding:50px;
margin: 70px;
border: 10px solid #4CAF50;
float:left;
}
```

```
<div id = "mypara">
  This is a paragraph for id selector using internal css
</div>
</div id = "mypara">
  This is 2nd paragraph for id selector using internal css
</div>
```

This is a paragraph for id selector using internal css

This is 2nd paragraph for id selector using internal css

#### Button onclick function

My first javascript.

Click Me!

Click Me!

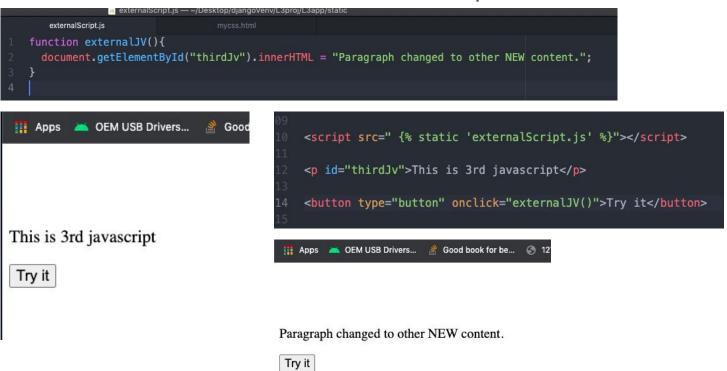
Assign value to id selector

```
// script>
// document.getElementById("secondJv").innerHTML = "My 2nd JavaScript";
// script>
```



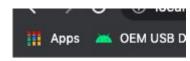
My 2nd JavaScript

#### External Javascript file



Arithmetics with Javascript

```
<script>
document.getElementById("numbers").innerHTML = 3 + 6;
</script>
```



Window popups

```
0/L3app/mycss/ × +

0.0.1:800
localhost:8000 says
12

OK
```

Division with Javascript

```
← → C ① localhost

Apps ➤ OEM USB Driver
```

#### Multiplication with Javascript

```
<script>
// How to create variables:
var x;
let y;
var text = 'Total:';
// How to use variables:
x = 10;
y = 9;
let z = x * y;
document.write(text + z);
</script>
```



Total:90

#### Using function

#### Create and assign objects

```
🚻 Apps 🙇 OEM USB Drivers... 🤌 Good bool
<script>
const person = {
 firstName: "Sam",
  lastName: "Tan",
                                                            Sam is 30 years old.
 age: 30,
 eyeColor: "brown"
                                                            Read from id:Sam is 30 years old.
};
document.getElementById("person").innerHTML =
person.firstName + " is " + person.age + " years old.";
document.write('Read from id:' + document.getElementById("person").innerHTML);
```

#### Validate form

```
<script>
function validateForm() {
  let x = document.forms["memberForm"]["name"].value;
  if (x == "") {
                                                                             Name:
                                                                                                                        Submit
    alert("Kindly complete your name");
    return false;
</script>
<form name="memberForm" action="" onsubmit="return validateForm()" method="post">
  Name: <input type="text" name="name">
                                                                                         (i) localhost:8000/L3app/mvcss/
  <input type="submit" value="Submit">
                                                                                  III Apps 🖊 OEM USB Drivers... 🤌 Good book for be...
                                                                                                           localhost:8000 says
</form>
                                                                                                           Kindly complete your name
```

Name:

Submit

#### Count number of paragraphs

There are 12 paragraphs.

#### Time Object

```
<h1 id="timeclock"></h1>
<script>
const time = new Date().getHours();
document.write("time stamp: " + time);
var greeting;
                                                🟢 Apps 👅 OEM USB Drivers... 💣 Good book for be... 📀 127.0.0.1:8000/pay/ 蠌 Move WordPress f... 📀 http://192.
if (time < 10) {
  greeting = "Morning";
                                                                                           Morning
} else if (time < 20) {
  greeting = "Afternoon";
                                               time stamp: 8
} else {
  greeting = "Evening";
document.getElementById("timeclock").innerHTML = greeting;
</script>
```

#### For loop

```
<script>
const vehicals = ["Benz", "Honda", "Toyota", "Tesla"];
let i = 0;
let len = vehicals.length;
let carResult = "";
for (; i < len; ) {
 carResult += vehicals[i] + "<br>";
 i++;
document.getElementById("cars").innerHTML = carResult;
</script>
```

```
III Apps 👅 OEM US
```

Benz Honda Toyota Tesla

#### Search function

#### **Javascript Class**

```
<script>
class Bike {
 constructor(brand, year) {
   this.brand = brand;
   this.year = year;
                                                         Shimano 2021. My bike is 1 years old.
 make() {
    let date = new Date();
    return date.getFullYear() - this.year;
const myBike = new Bike("Shimano", 2021);
document.getElementById("bikeInfo").innerHTML =
myBike.brand + " " + myBike.year + ". "+ "My bike is " + myBike.make() + " years old.";
</script>
```

# End of Lesson 5