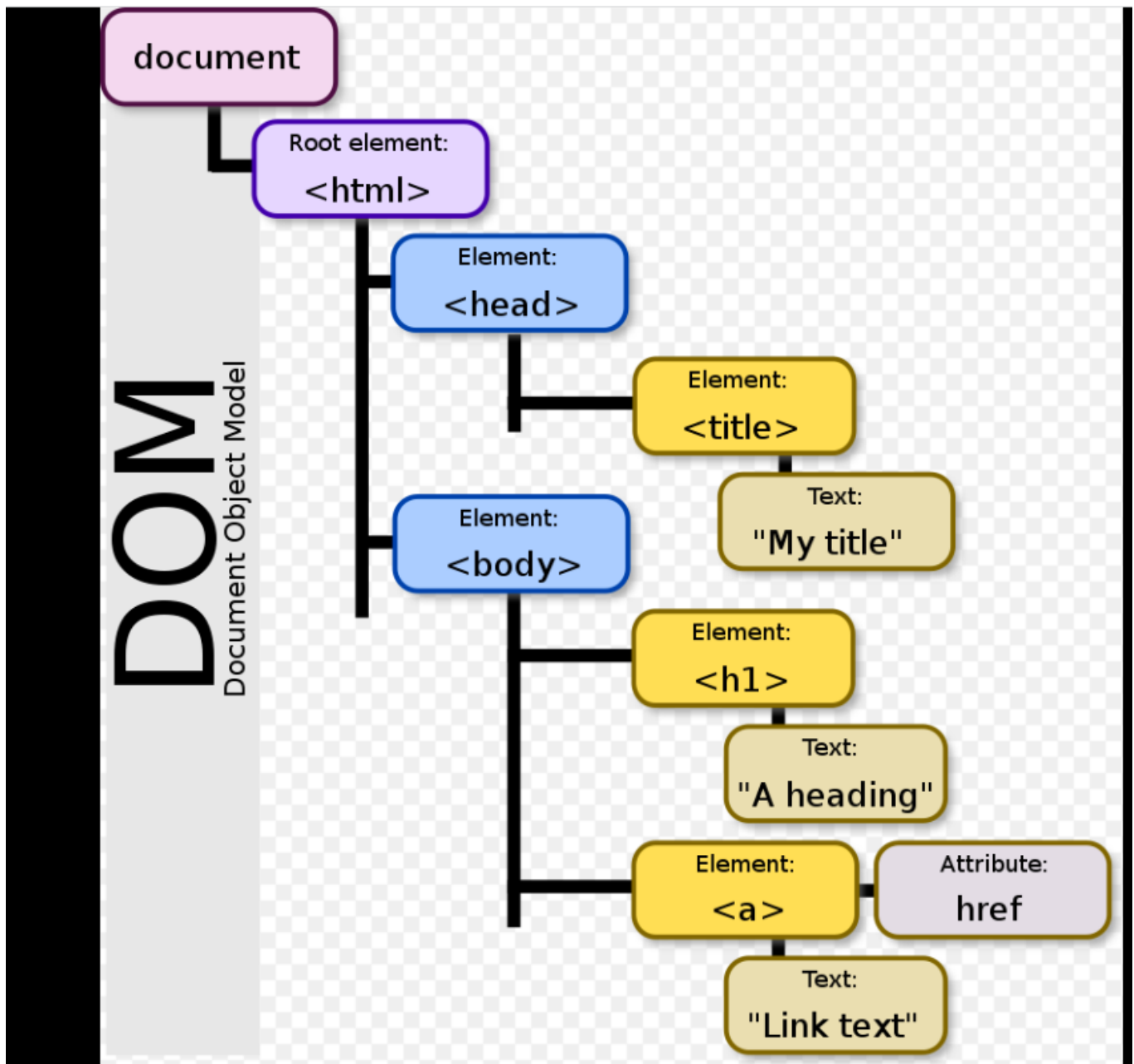dom vs bom

google dom ?

google dom vs bom ?

DOM
Document Object Model

document

Root element:
<html>

Element:
<head>

Element:
<body>

Element:
<title>

Text:
"My title"

Element:
<h1>

Text:
"A heading"

Element:
<a>

Attribute:
href

Text:
"Link text"

```
<!DOCTYPE html>
<html Lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My title</title>
</head>
<body>
    <h1>A heading</h1>
    <a href="www.google.com">Link Text</a>
</body>
</html>
```
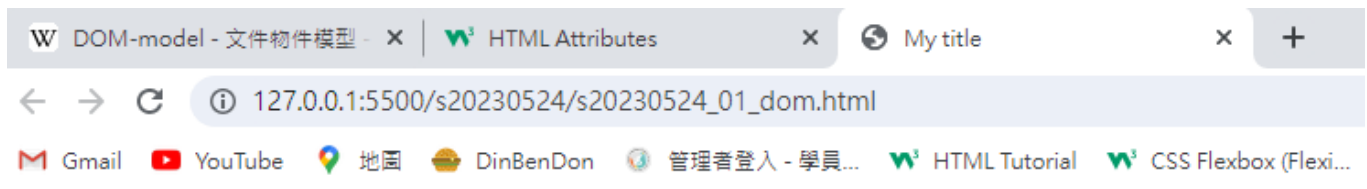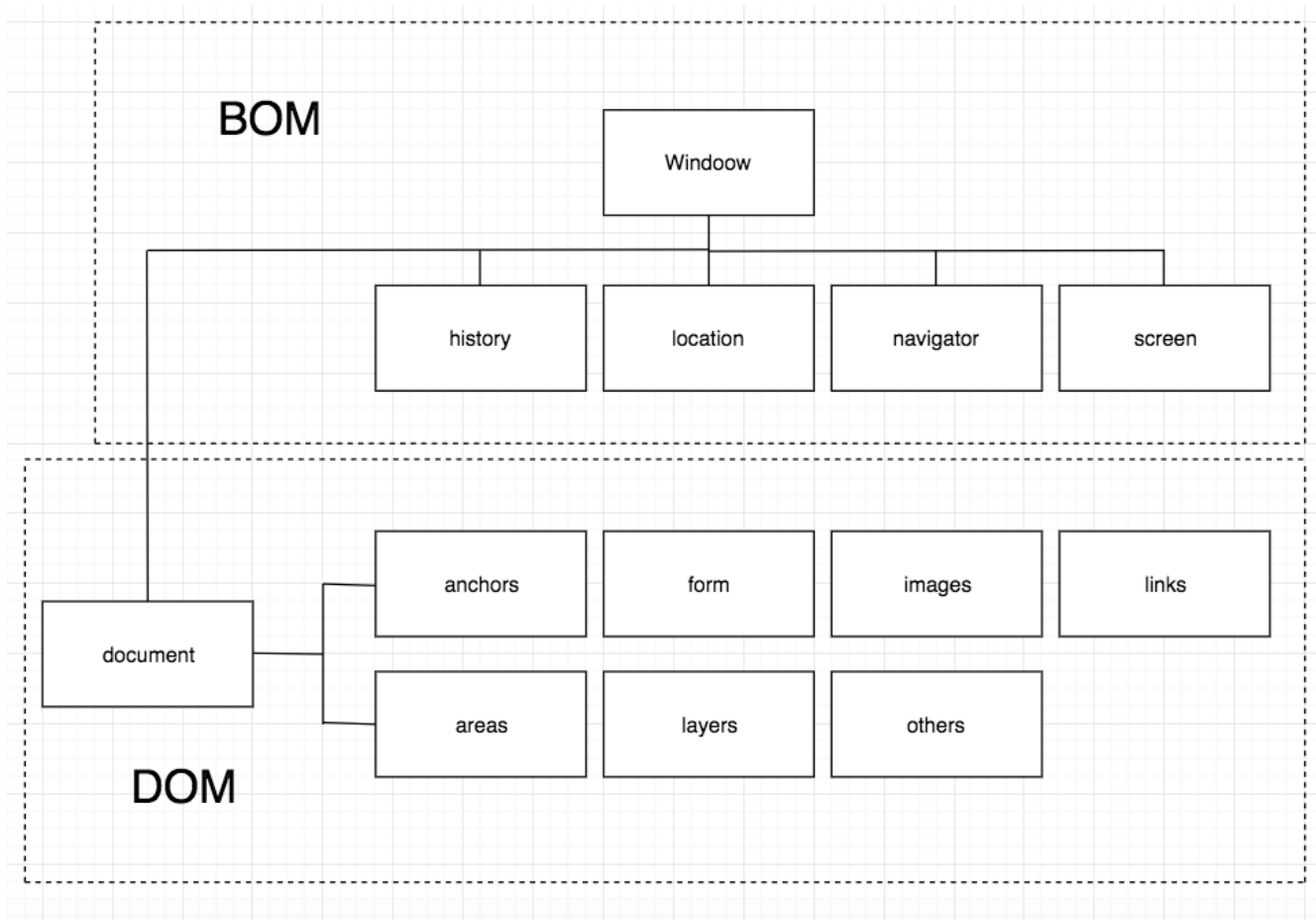
W DOM-model - 文件物件模型 ✕ | W³ HTML Attributes ✕ | 🌀 My title ✕ | +

← → C ⓘ 127.0.0.1:5500/s20230524/s20230524_01_dom.html

M Gmail ▶ YouTube 📍 地圖 🍔 DinBenDon 🌐 管理者登入 - 學員... W³ HTML Tutorial W³ CSS Flexbox (Flexi...

A heading

Link Text

bom

BOM

```
                        ┌──────────────┐
                        │   Windoow    │
                        └──────┬───────┘
          ┌────────────┬───────┼──────────┬────────────┐
   ┌──────────┐  ┌──────────┐ ┌──────────┐ ┌──────────┐
   │ history  │  │ location │ │ navigator│ │  screen  │
   └──────────┘  └──────────┘ └──────────┘ └──────────┘
```

DOM

```
   ┌──────────┐   ┌──────────┐ ┌──────────┐ ┌──────────┐ ┌──────────┐
   │ document │───│ anchors  │ │   form   │ │  images  │ │  links   │
   └──────────┘   └──────────┘ └──────────┘ └──────────┘ └──────────┘
                  ┌──────────┐ ┌──────────┐ ┌──────────┐
                  │  areas   │ │  layers  │ │  others  │
                  └──────────┘ └──────────┘ └──────────┘
```

```javascript
const myH1 = window.document.getElementById('myH1');
console.log('myH1', myH1);
let myH1Text = myH1.innerText;
console.log('myH1Text', myH1Text);


console.log('window', window);
let myWidth = window.innerWidth;
let myHeight = window.innerHeight;
console.log('myWidth', myWidth);
console.log('myHeight', myHeight);


// window.alert('hello');
```

php vs js foreach

```javascript
<script>
    // js array
    let myArr = ['amy', 'bob', 'cat'];

    myArr.forEach(function(value,key){
        console.log('value',value);
        console.log('key',key);
    });

</script>
```

```php
<?php
    $myArr = ['amy','bob','cat'];
    foreach ($myArr as $key => $value) {
        # code...
    }
?>
```

//querySelectorAll

```javascript
// 綁定   class -> querySelectorAll -> array.foreach(function(value,key))
const box = document.querySelectorAll('.box');
// const box = document.querySelector('.box');
console.log(box);

box.forEach(function (value, key) {
    // .class nodelist
    console.log('value', value);
    console.log('key', key);
    value.style.backgroundColor = 'red';
    value.addEventListener('click', function () {
        console.log(`hello key${key}`);
    });
});
```

載入外部js (類似 CSS)

```javascript
1  function sayHello (){
2      alert('hello');
3  }
```

```html
<body>
    <button type="button" id="myBtn" onclick="sayHello();">myBtn</button>

    <script src="./js/main.js"></script>
    <script>
        console.log('local js');

    </script>
</body>
</html>
```