

CS 4241

WebWare

document object model

the dom: document object model

dom is a tree ->

dom is an API, separate from JS



V8 js engine

webkit DOM engine



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dom is a tree ->

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jscript.dll

mshtml.dll



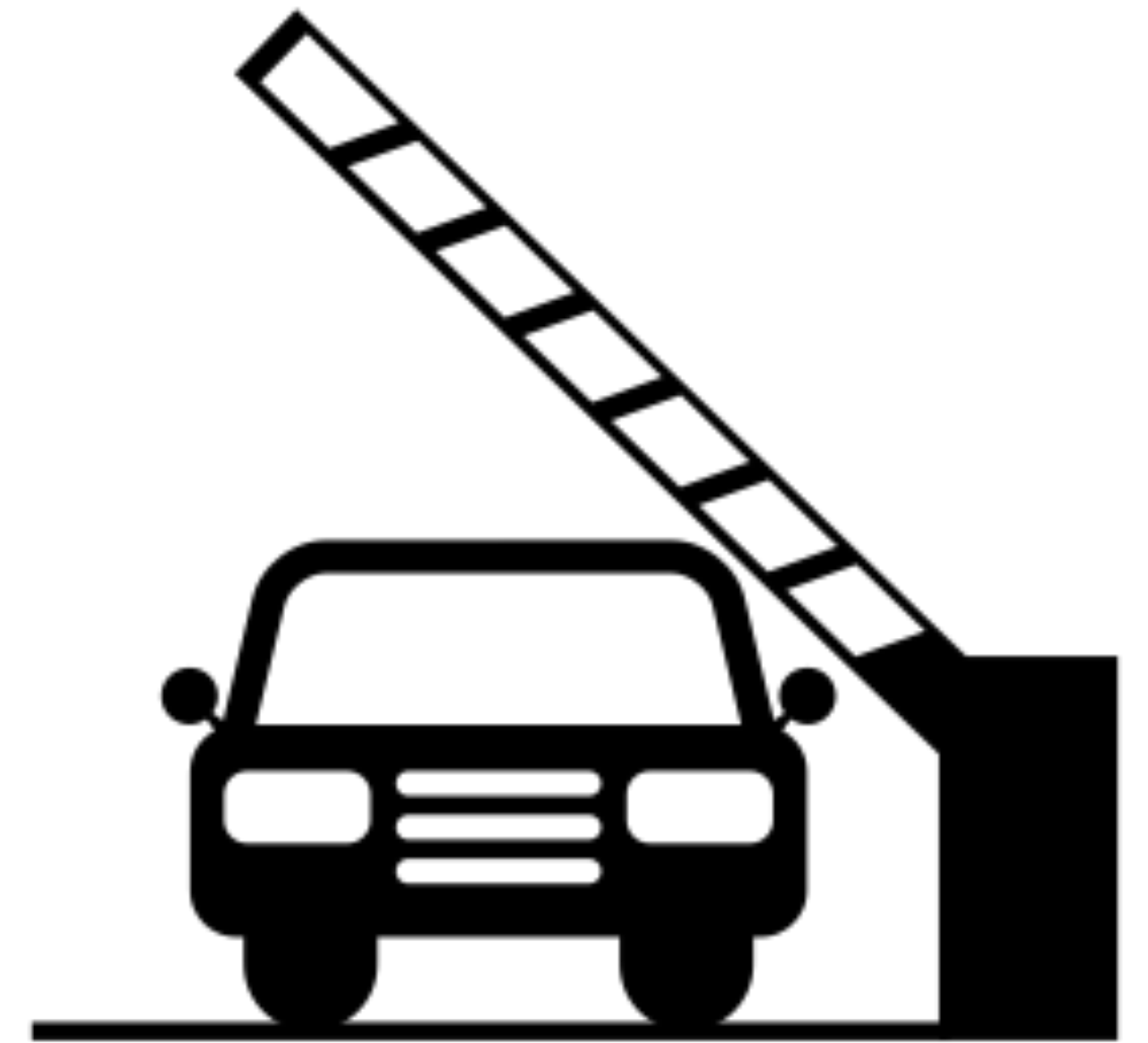
dom is an API as a platform agnostic means for working with html documents

the dom ____ js bridge

dom is an API, separate from JS

most of the programming you do in JS
is to manipulate the DOM

each trip across the bridge takes a
major toll



dom selection

```
document.getElementsByTagName() // all <a>
```

```
document.getElementById() // one <a id="asdf">
```

```
document.getElementsByClassName() // all <a class="neato">
```

```
document.getElementsByName() // all <a name="whousesname">
```

```
document.links // all links
```

```
document.images // all images
```


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these return Collections

- like arrays, but no push/slice
- HTML Collections are ****live****, which can mess up your code...

dom family attributes

```
var el; // assume we have a single element
```

```
el.nextSibling; // like linked list, get adjacent node
```

```
el.firstChild; // returns first child, if has children (lastChild)
```

```
el.parentNode; // returns parent (same for children of same level)
```

```
el.childNodes; // returns collection of children
```

how are these useful given the structure of the dom?

dom query selection

let's try a few...