

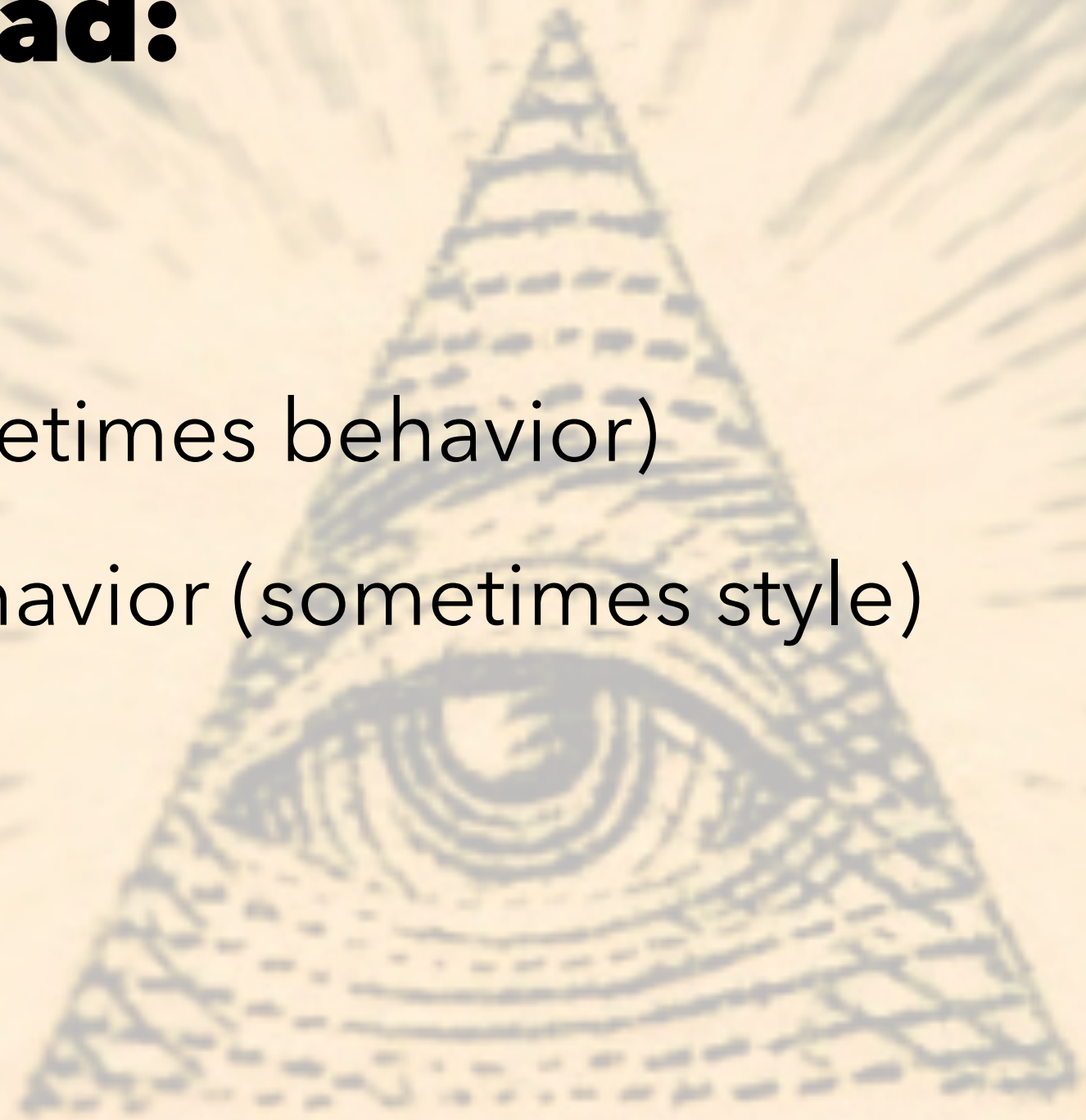
Module 5

Introduction to jQuery

"Write less, do more"

The usual triad:

- **HTML**: content
- **CSS**: style (sometimes behavior)
- **Javascript**: behavior (sometimes style)



CSS for behavior

CSS3 + HTML5 allow for lots of nice things:

- Transitions
- Animations
- Hover state

Javascript for behavior

Some live examples:

- Galleries
- Animated navigations like this
- Automatic feeds (Twitter, Gmail)

JavaScript can:

- Respond to user interactions
- Handle live updates on a server
- Change the style/content of a page in real-time
- Create fancy effects

Downsides

- Adds overhead to page
- Lots of stuff can be done with CSS3 + HTML5
- Some users/devices disable JS
- Screen readers may ignore it

**Javascript takes a lot
of practice.**

ENTER: JOQUERY.

**jQuery is a Javascript framework
that enables front-end devs to do
complicated things.**

Let's watch a video!

DOM: The Document Object Model

- How **browsers** identify the content on a website
- Also the order things load
- Divided in **nodes**
- Set up like a tree (DOM tree):
 - Parents
 - Children

Testing Javascript



The page at <https://www.google.de> says:

Hello Berlin!

Chrome Inspector Console

OK

× 1 >≡ ⚙ □ ×

🔍 📱 Elements Network

🚫 🏠 <top frame> ▼ ☐ Preserve log

✖ Denying load of chrome-extension://gkojfhlekighikafcpjkiklfbnlmeio/js/jquery.min.map. Resources must be listed in the web_accessible_resources manifest key in order to be loaded by pages outside the extension. [?gfe_rd=cr&ei=U_8NVd6KCYyf-gbhnIGYCw:1](https://www.google.de/?gfe_rd=cr&ei=U_8NVd6KCYyf-gbhnIGYCw:1)

> alert("Hello Berlin!");

>

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+You

Hello Berlin!

OK

Firefox Inspector Console

Inspector

Console

Debugger

Style Editor

Performance

Network

html

body#gsr.hp.vasq

div#viewport.ctr-p

Rules

Computed

Fonts

Box Model

<!DOCTYPE html>

<html lang="en-DE" itemtype="http://schema.org/WebPage" itemscope="">

element {

}

body, html {

inline

inline:7

Net

CSS

JS

Security

Logging

Clear

Filter output

◀ alert("Hello Berlin!");


```
ut:~ nandorocker$ node  
le.log("Hello Berlin!")  
erlin!  
ed
```

Node REPL

Do some demos from
jQuery

Simple Element Selector

Document Ready

```
$(document).ready(function() {  
  
});
```

**Descendant selectors/immediate
child**

Using jQuery's traversal for speed

```
#travel .offer { }
```

```
$("#travel").find(".offer");
```

```
#travel > li { }
```

```
$("#travel").child("li");
```

```
#travel > li:first { }
```

```
$("#travel").child("li").first();
```