

# Markup

Introducing HTML

# Objectives

- ▶ Markup your CV using text and HTML

# What is HTML?

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" dir="ltr" lang="en-US">
<head profile="http://gmpg.org/xfn/11">
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<title>Design Gallery, Deals, Tutorials & Community | Design Shack</title>
```

<a href="LINK"></a>

```
<link rel="alternate" type="application/rss+xml" title="Design Shack RSS">
<link rel="pingback" href="http://designshack.co.uk/xmlrpc.php" />

<script type="text/javascript" src="http://use.typekit.com/iqr7rwr.js"></script>
<script type="text/javascript">try{Typekit.load();}catch(e){}</script>

<script type="text/javascript">
    src="http://ajax.googleapis.com/ajax/libs/jquery/1.4.4/jquery.min.js"></script>
    <script type="text/javascript">var _gaq=[['_trackPageview']],_gaq.push(['_trackPageview']),_gat._anonymizeIp(),(function(d,t){var g=d.createElement(t),s=d.getElementsByTagName(t)[0];g.src="//www.google-analytics.com/ga.js";s.parentNode.insertBefore(g,s)})(document,"script");</script>

<script type="text/javascript">(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){(i[r].q=i[r].q||[]).push(arguments)}})(window,document,'script','//www.google-analytics.com/analytics.js');</script>
```

# HTML

**‘A language created to  
give content structure  
and meaning’**

**CSS**

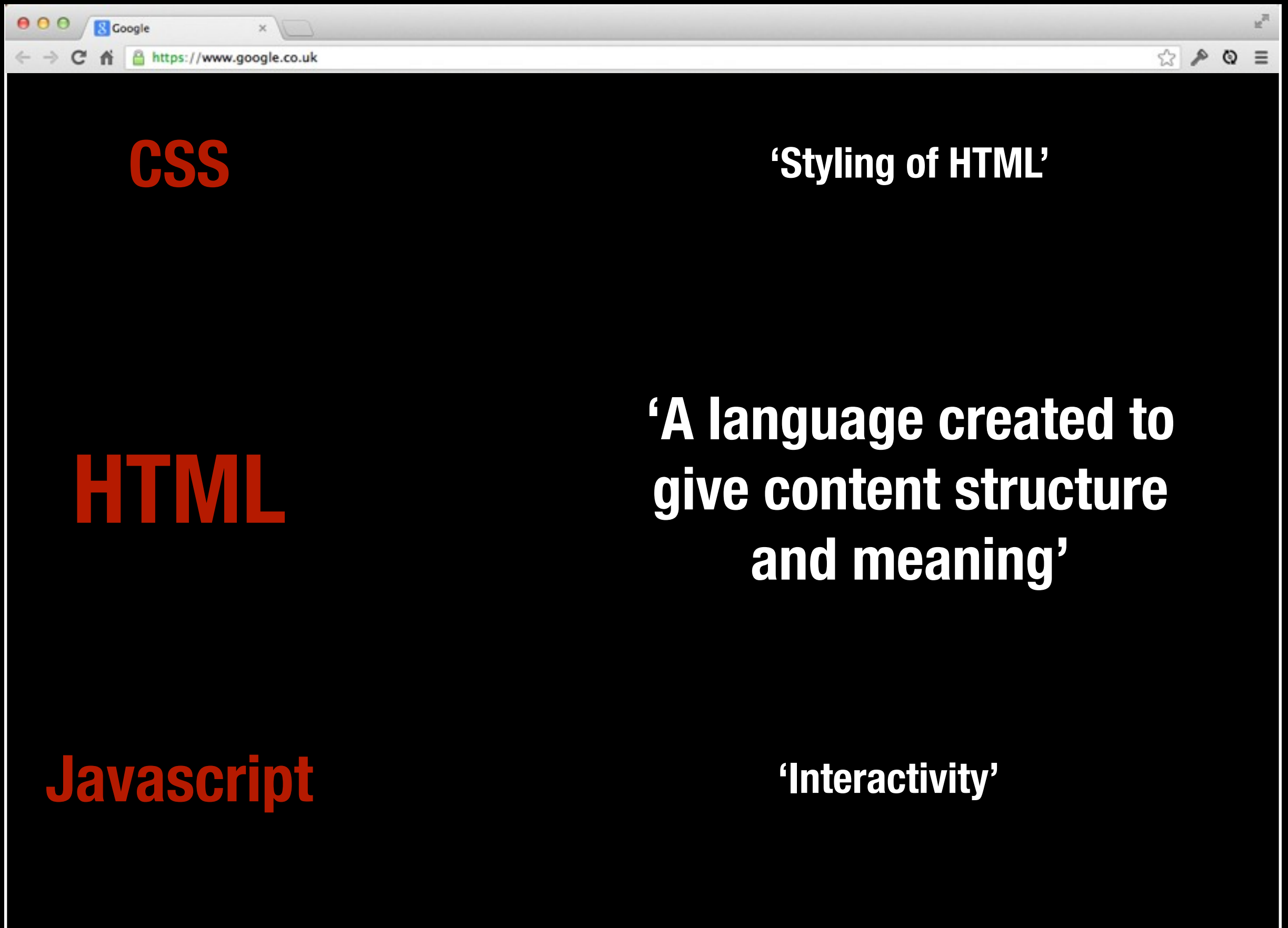
**‘Styling of HTML’**

**HTML**

**‘A language created to  
give content structure  
and meaning’**

**Javascript**

**‘Interactivity’**



**CSS**

**'Styling of HTML'**

**HTML**

**'A language created to  
give content structure  
and meaning'**

**Javascript**

**'Interactivity'**

# What is XML?

User-defined tags to communicate data

**HTML**

`<p>Hello World!</p>`

**XML**

`<my_first_tag>Hello World!</my_first_tag>`

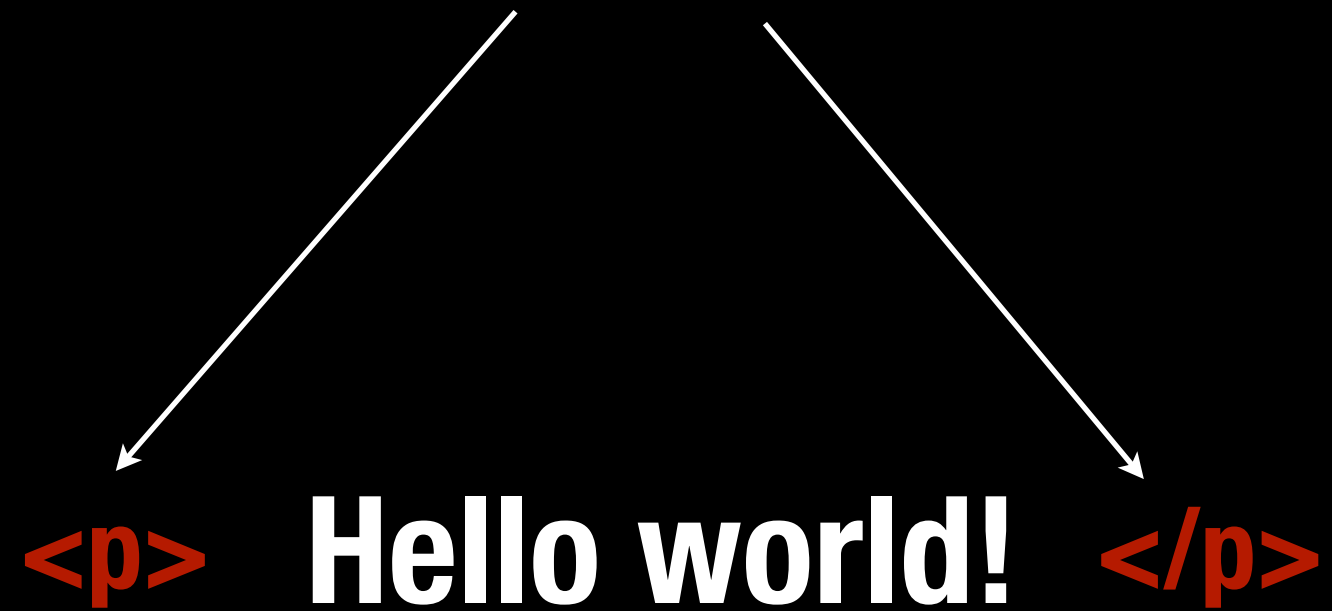
# Syntax



# Hello world!

**<p> Hello world! </p>**

# TAGS



# TAGS

**<p> Hello world! </p>**

**OPENING TAG**

**CLOSING TAG**

**Hello world!**

**Paragraph tag**

**<p> Hello world! </p>**

**Paragraph tag**

**<p> Hello world! </p>**

**Paragraph tag**

Tag	What is it?
p	Paragraph
h1	Heading
h2	<i>Level 2</i> Heading
a	Link
img	Image
table	Table

**<h1> My CV </h1>**

**<h1> About me </h1>**

**<p> Hello my name is Ed </p>**

**<p> I love to code! </p>**



**Sometimes tags exist by themselves**

**<img />**

**Sometimes tags exist by themselves**

**<img />**

***So where is the content?***

# Attributes

Refining how a tag behaves

- ▶ You can add additional *properties* to tags
- ▶ Why?
  - Provide targets for CSS/Javascript
  - Give additional information e.g. links to things

<a > </a>

<a

> </a>

**<a href="http://github.com" > </a>**

# Other common attributes



# Other common attributes

**<h1** **class="page\_title">** Hi! **</h1>**



# Other common attributes

**<h1** **class="page\_title">** Hi! **</h1>**

**<p** **id="desc">** My name is Jez **</p>**

# Other common attributes

**<h1** **class="page\_title">** Hi! **</h1>**

**<p** **id="desc">** My name is Jez **</p>**

**<img** **src="/images/dor.png" />**

# Other common attributes

**<h1** class="page\_title" > Hi! </h1>

**<p** id="desc" > My name is Jez </p>

**<img** src="/images/dor.png" />

**<link** rel="stylesheet" href="style/css" />

# HTML5 Structural Elements

```
<div id="navigation">
```

```
....
```

```
</div>
```

```
<div id="main-content">
```

```
...
```

```
</div>
```

```
<div id="footer">
```

```
...
```

```
</div>
```

# HTML5 Structural Elements

**<nav>**

....

**</nav>**

**<section>**

...

**</section>**

**<footer>**

...

**</footer>**

# A blog

`<header>`

`<nav>`

`<article>`

`<section>`

`<aside>`

`<footer>`

# IDs and Classes

# The ID Attribute

Adding a target to a single tag

**<h1> About me </h1>**



# The ID Attribute

Adding a target to a single tag



**<h1> About me </h1>**

# The ID Attribute

Adding a target to a single tag

Javascript

CSS



**<h1> About me </h1>**

# The Class Attribute

Adding a target to a group of tags

**<h1> About me </h1>**

**<h1> Qualifications </h1>**

**<h1> Publications </h1>**

# The Class Attribute

Adding a target to a group of tags



**<h1> About me </h1>**

**<h1> Qualifications </h1>**

**<h1> Publications </h1>**

# The Class Attribute

Adding a target to a group of tags

Javascript

CSS



`<h1>` About me `</h1>`

`<h1>` Qualifications `</h1>`

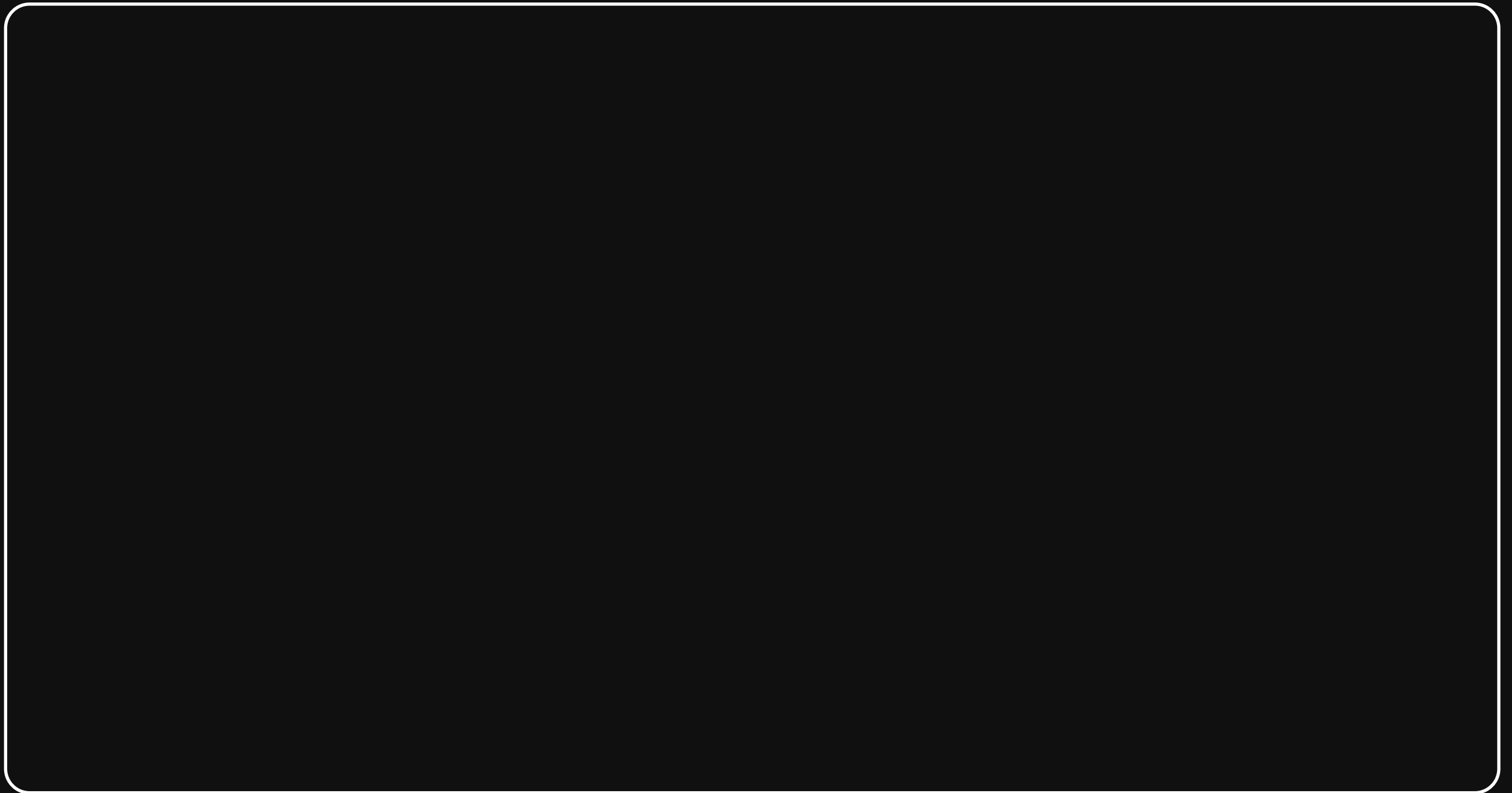
`<h1>` Publications `</h1>`

# The HTML Document

# Structure

There are tags for structure as well

## HTML Document



# Structure

There are tags for structure as well

## HTML Document

```
<html lang="en">
```

```
</html>
```



# Structure

There are tags for structure as well

## HTML Document

```
<html lang="en">
```

```
  <head>
```

```
  <head>
```

```
</html>
```

# Structure

There are tags for structure as well

## HTML Document

```
<html lang="en">
```

```
  <head>
```

```
  <head>
```

```
  <body>
```

```
  <body>
```

```
</html>
```

# Structure

There are tags for structure as well

## HTML Document

```
<html lang="en">
```

```
  <head>
```



*meta, title, javascript, stylesheet*

```
  <head>
```

```
  <body>
```

```
  <body>
```

```
</html>
```

# Structure

There are tags for structure as well

## HTML Document

**<html lang="en">**

**<head>**



*meta, title, javascript, stylesheet*

**<head>**

**<body>**



*document content*

**<body>**

**</html>**

# Structure

There are tags for structure as well

## HTML Document

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```



*meta, title, javascript, stylesheet*

```
<head>
```

```
<body>
```



*document content*

```
<body>
```

```
</html>
```

# Is it easy to make mistakes?

Yes...but there are tools to help.

<http://validator.w3.org>



# Time to code