

GETTING TO KNOW HTML

PROF. DAVID ROSSITER

AFTER THIS PRESENTATION

- You'll be able to build a simple web page
- You'll appreciate the use of an HTML editor

HTML ELEMENTS WE WILL LOOK AT

Structure `<html> <head> <body>`

In `<head>` `<meta> <author>`

`<style> <link> <script> <base>`

In `<body>` `<h1> <p>`

THE HTML SPECIFICATION

HTML is designed by the World Wide Web Consortium (W3C)

The HTML 5 specification is

<http://www.w3.org/TR/html5/>

If you are a beginner, don't go there!

HTML COMMANDS

HTML commands are called *elements*

Usually, an element has a start tag and an end tag e.g.

`<p> . . . </p>`

There are some exceptions, discussed later

HTML PAGE STRUCTURE

```
<!DOCTYPE html>  
<html>
```

```
<head>
```

... header elements go here ...

```
</head>
```

```
<body>
```

... the main web page content goes here ...

```
</body>
```

```
</html>
```

A VERY SIMPLE WEB PAGE

```
<!DOCTYPE html>
<html>
<head>
  <title>A Simple Web Page</title>
  <meta name="author" content="David Rossiter">
</head>
<body>
  <h1>My Web Page</h1>
  <p>This web page is so awesome!</p>
</body>
</html>
```

My Web Page

This web page is so awesome!

H1 AND P

Let's look at main content

<h1> means *level 1 heading*

```
<h1>My Web Page</h1>
```

<p> means *paragraph*

```
<p>This web page is so awesome!</p>
```

CODE THAT GOES IN HEAD

Anything in <head> is information *about* the web page, and does not usually get shown in the page

Let's look at the two lines in <head>

```
<title>A Simple Web Page</title>  
<meta name="author" content="David Rossiter">
```

Obviously, these state the title and author

OTHER THINGS YOU MIGHT USE IN HEAD

Style - later

```
<style>  
body {background-color:yellow}  
</style>
```

```
<link rel="stylesheet" href="stylerules.css">
```

Other meta information

```
<meta name="description" content="An example">  
<meta name="keywords" content="HTML, CSS, JavaScript">  
<meta charset="UTF-8">
```

OTHER THINGS YOU MIGHT USE IN HEAD

Script - later

```
<script>  
function surprise() {  
    alert("Hello!");  
}  
</script>
```

```
<script src="mycode.js"></script>
```

The location of the main file

```
<base href="http://www.ust.hk/" target="_blank">
```

ATTRIBUTES

You need to use speech marks for any HTML attributes:

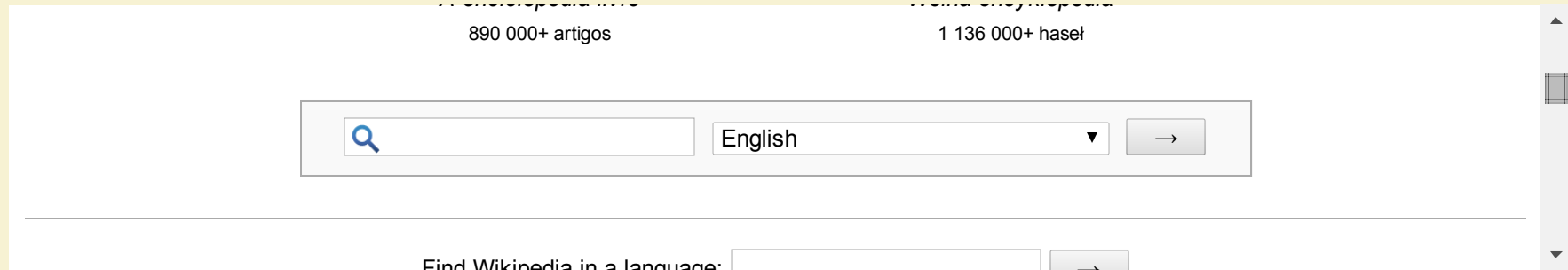
```
<meta name="author" content="David Rossiter">
```

Double speech marks " and single speech marks ' are both OK:

```
<meta name='author' content='David Rossiter'>
```

VIEWING THE HTML OF ANY PAGE

For example: <http://www.wikipedia.com>



Keyboard: Ctrl-U (PC browsers) or
⌘U (Mac Chrome, Safari) or ⌘U (Mac Firefox)

```
<!DOCTYPE html>
<html lang="en" dir="ltr" class="client-nojs">
<head>
<meta charset="UTF-8" />
<title>Wikipedia, the free encyclopedia</title>
<meta name="generator" content="MediaWiki 1.26wmf8" />
. . .
```

THIS PRESENTATION

This presentation is written in HTML

The presentation system is called **reveal.js**

It uses some of the HTML we will learn

You can view the source code to learn more

HTML EDITORS

There are hundreds of HTML editors (google search!)

They give you a GUI environment to help create HTML

HTML editors are good for *complementing* learning

EXAMPLE OF AN HTML EDITOR

Here's an example of an HTML editor

This particular editor is called **TinyMCE**

