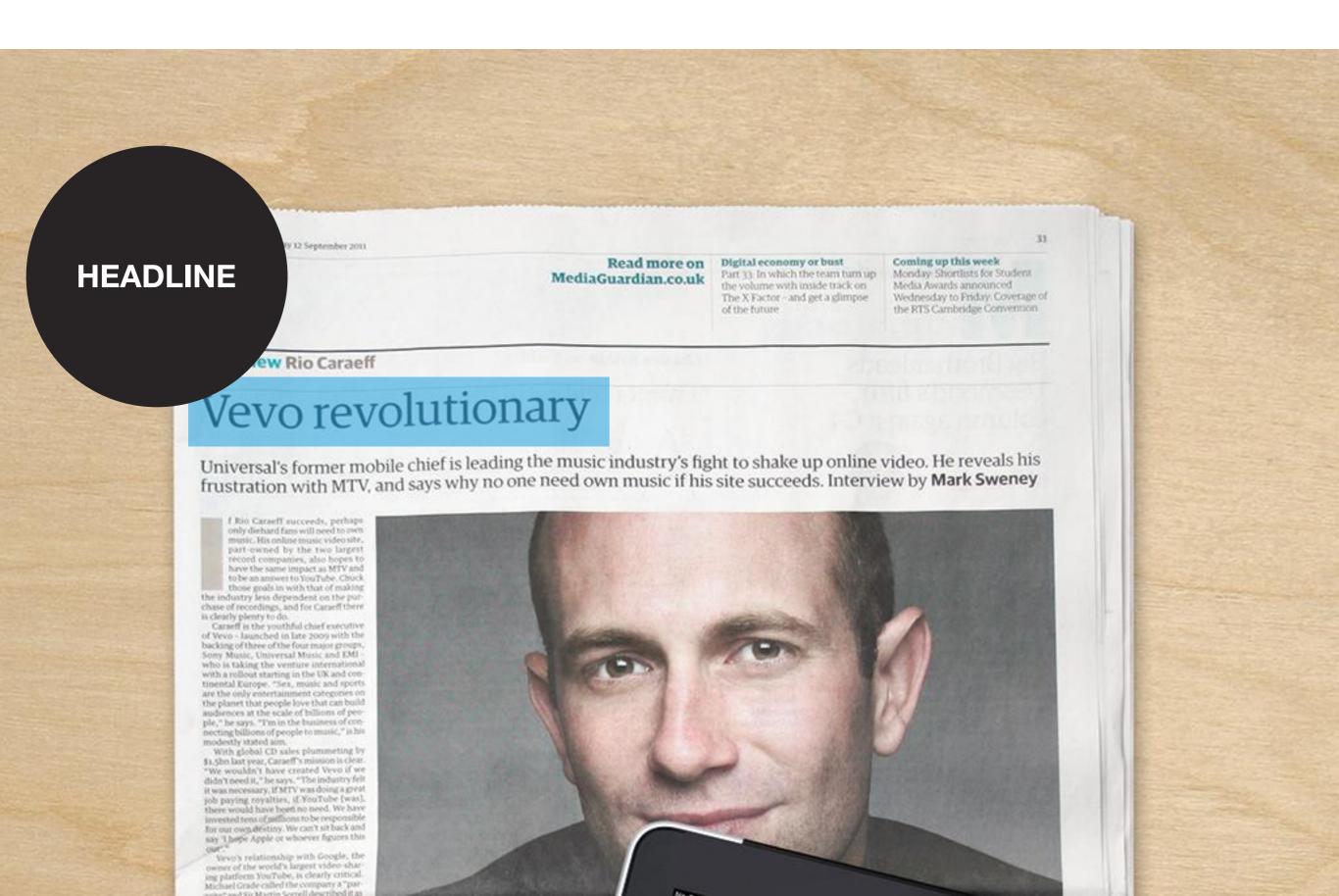
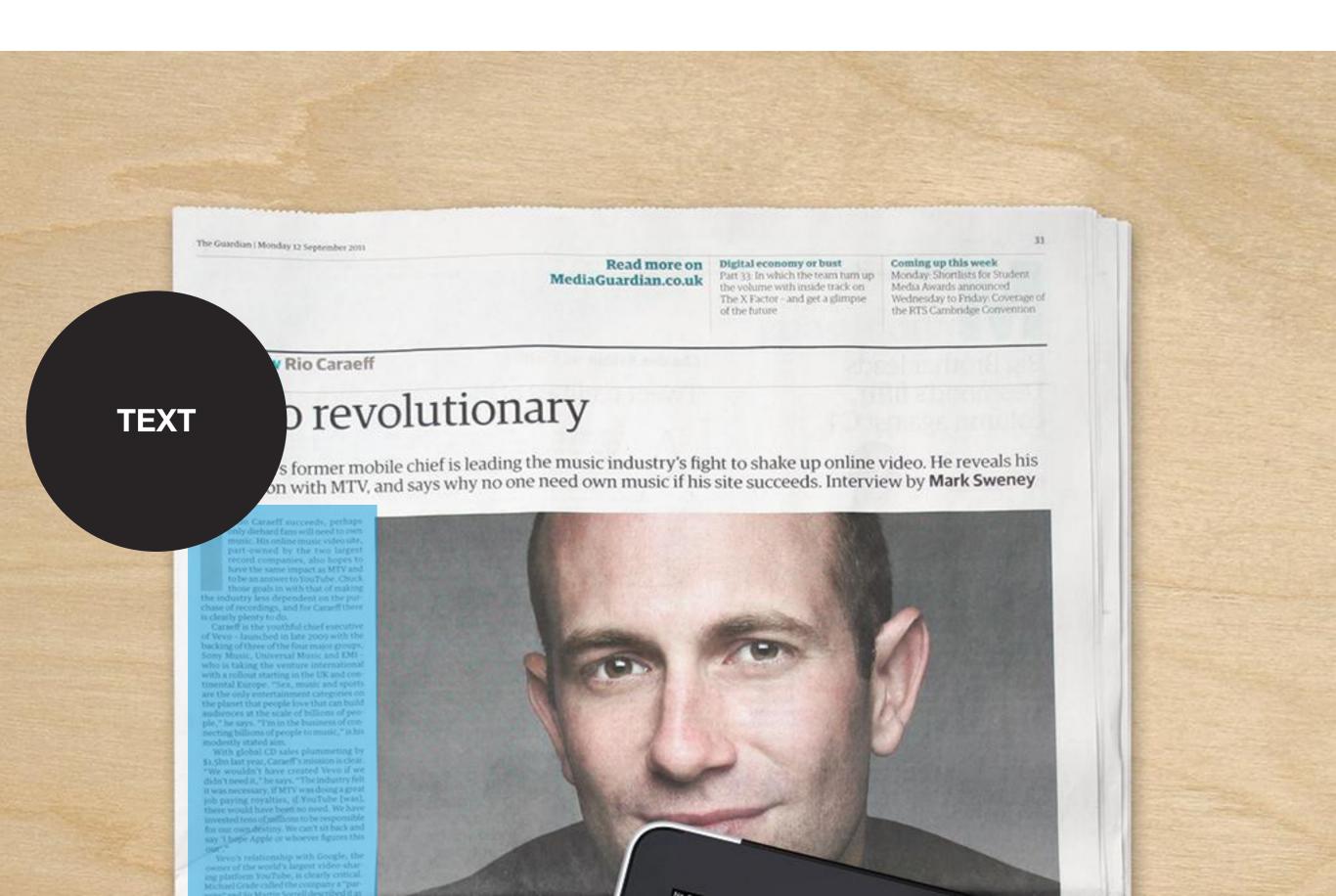
Intro to HTML

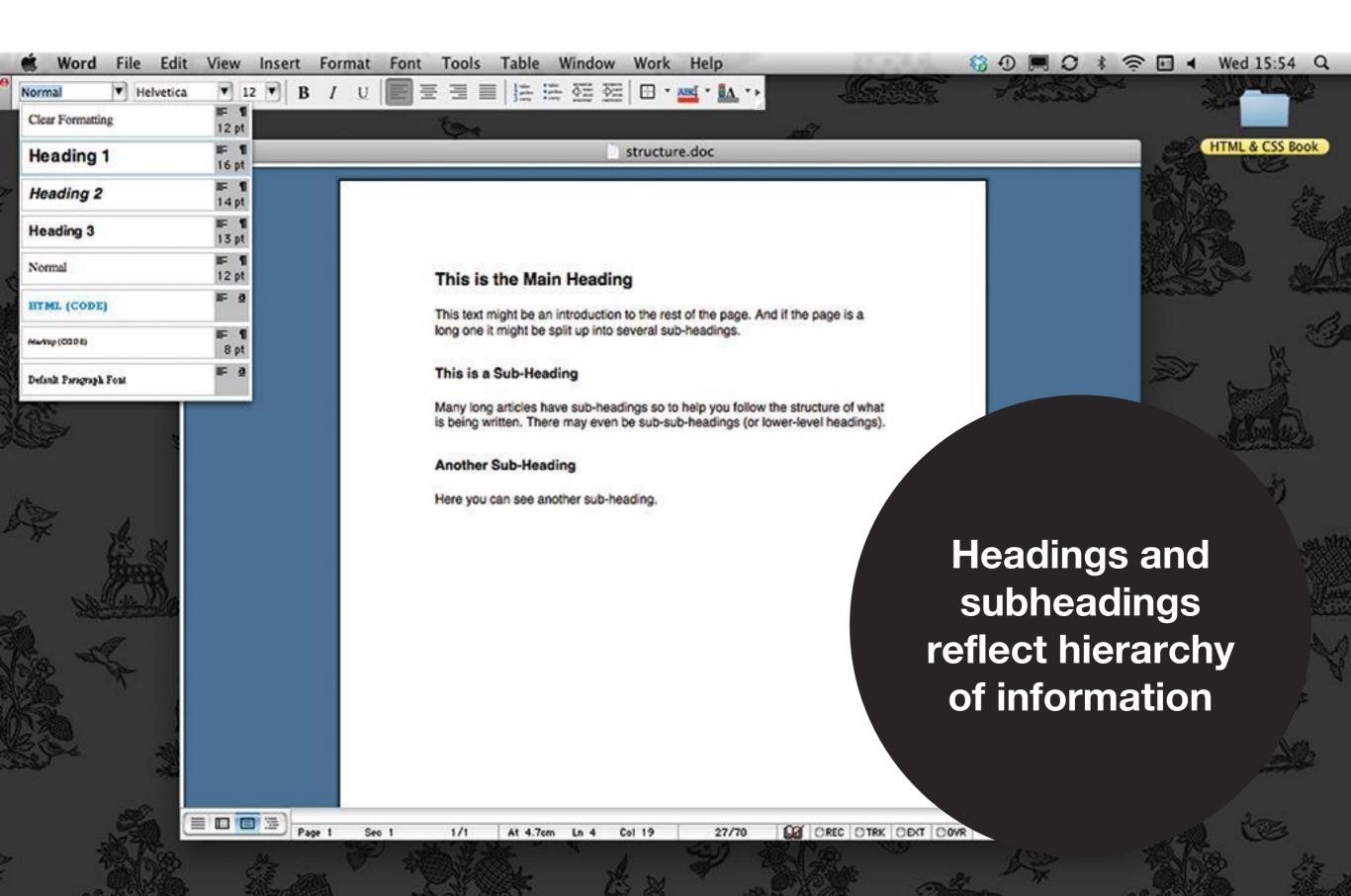








STRUCTURE IN WORD DOCS

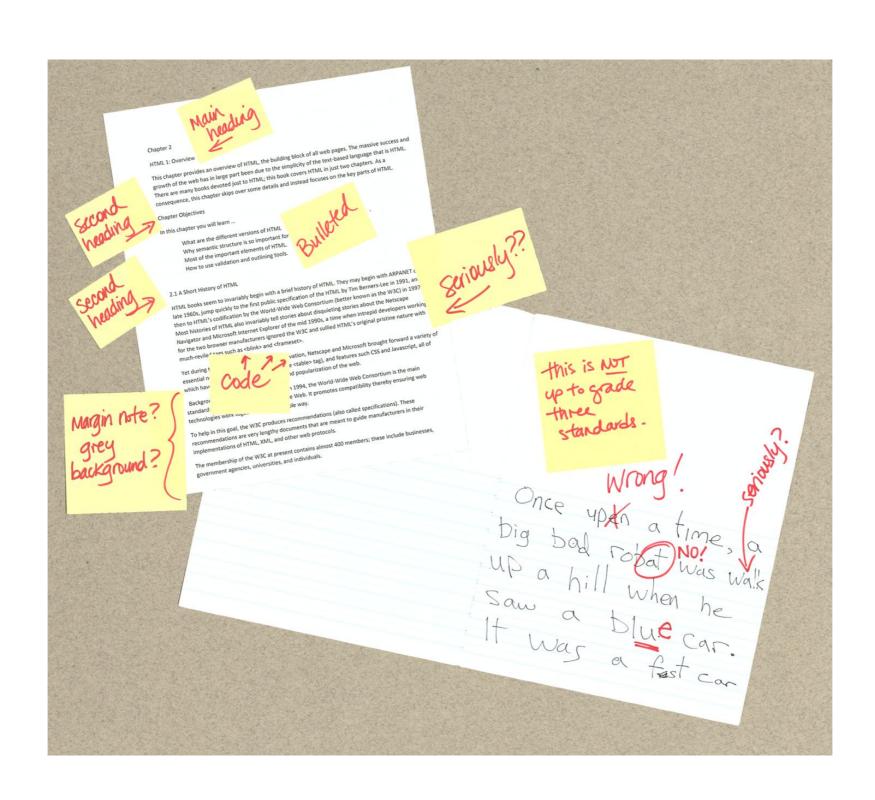


HTML defines the structure of web pages

HTML is defined as a markup language.

- A markup language is simply a way of annotating a document in such a way to make the annotations distinct from the text being annotated.
- The term comes from the days of print, when editors would write instructions on manuscript pages that might be revision instructions to the author or copy editor.

Sample ad hoc markup

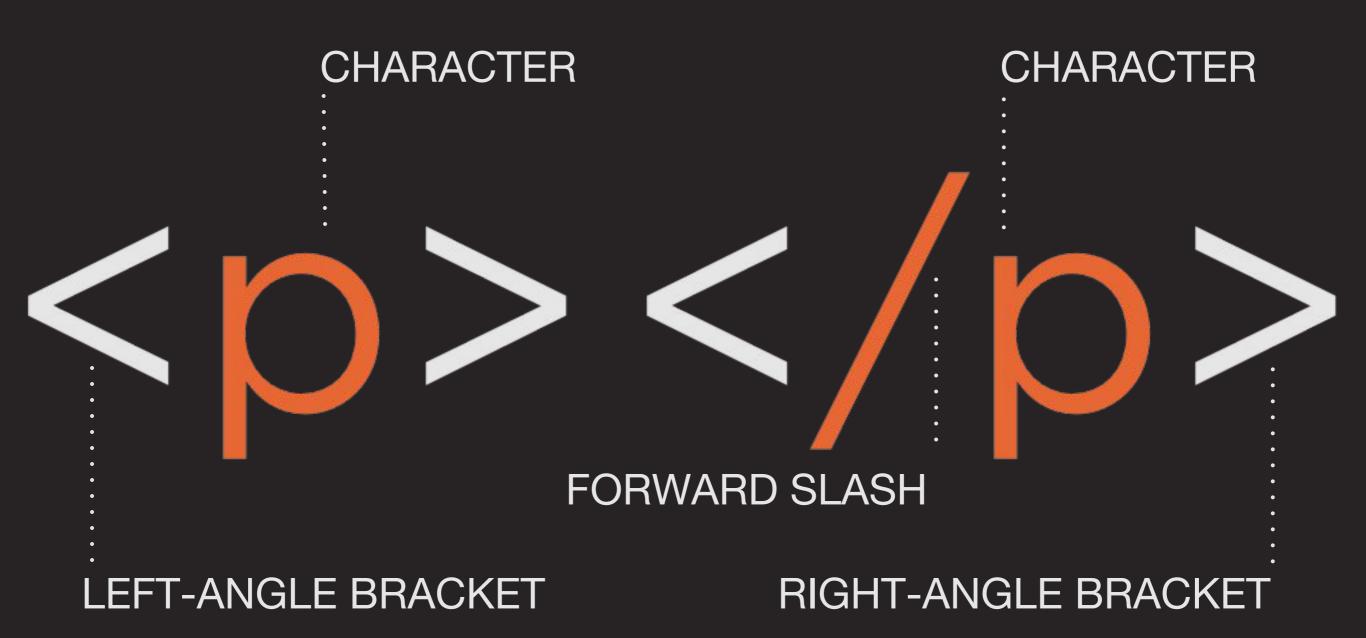


Markup

At its simplest, **markup** is a way to indicate information about the content

- This "information about content" in HTML is implemented via tags (aka elements).
- The markup in the previous slide consists of the red text and the various circles and arrows on the one page, and the little yellow sticky notes on the other.
- HTML does the same thing but uses textual tags.

HTML TAGS



OPENING TAG

CLOSING TAG

Elements and Attributes

HTML documents are composed of textual content and HTML elements.

An HTML element can contain text, other elements, or be empty. It is identified in the HTML document by tags.

HTML elements can also contain attributes. An HTML attribute is a name=value pair that provides more information about the HTML element.

ATTRIBUTES TELL US MORE ABOUT ELEMENTS

Document Structure

HTML pages are divided into two sections: the **head** and the **body**, which correspond to the <head> and <body> elements.

The head contains descriptive elements about the document

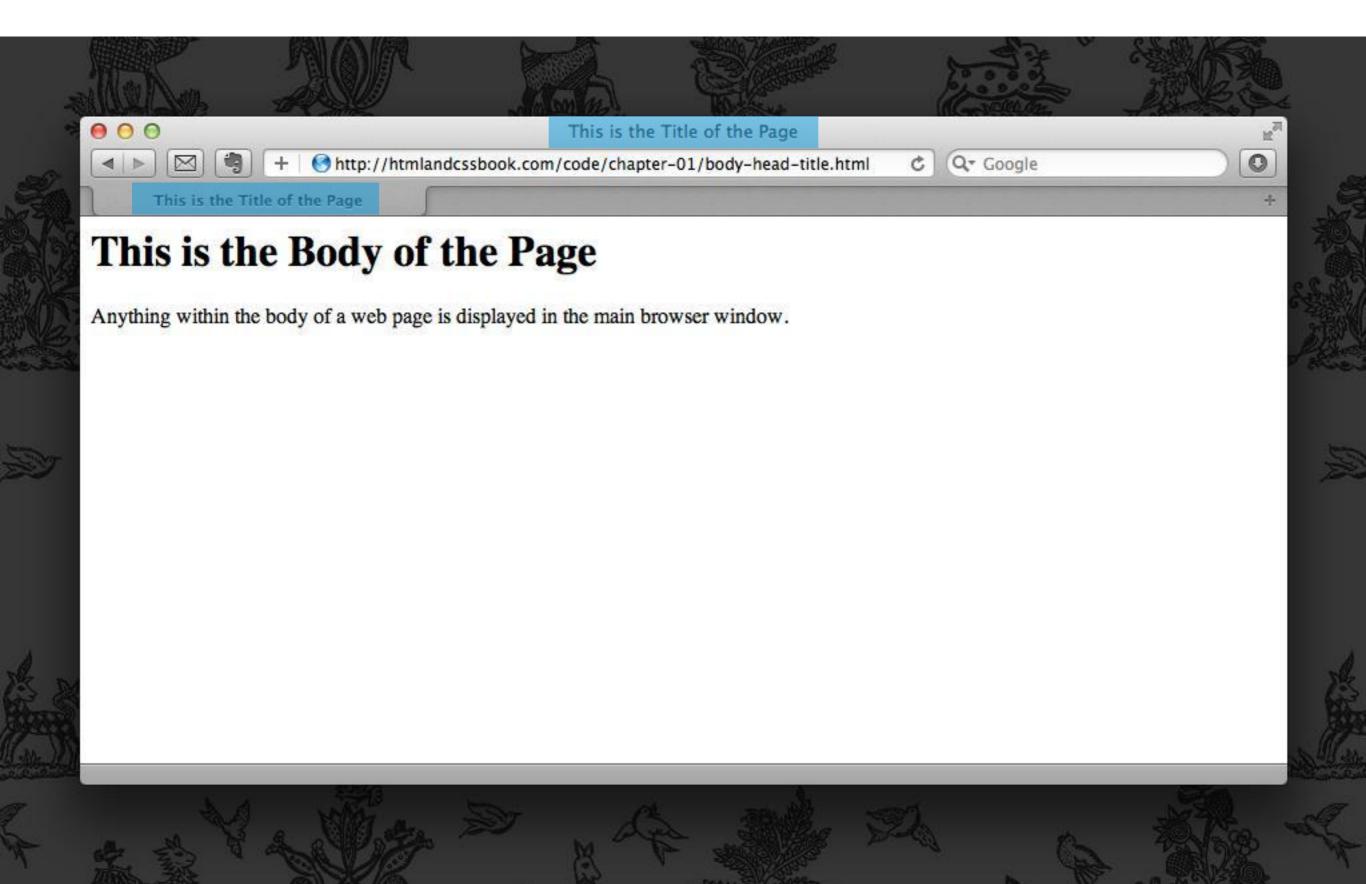
The body contains content that will be displayed in the browser window.



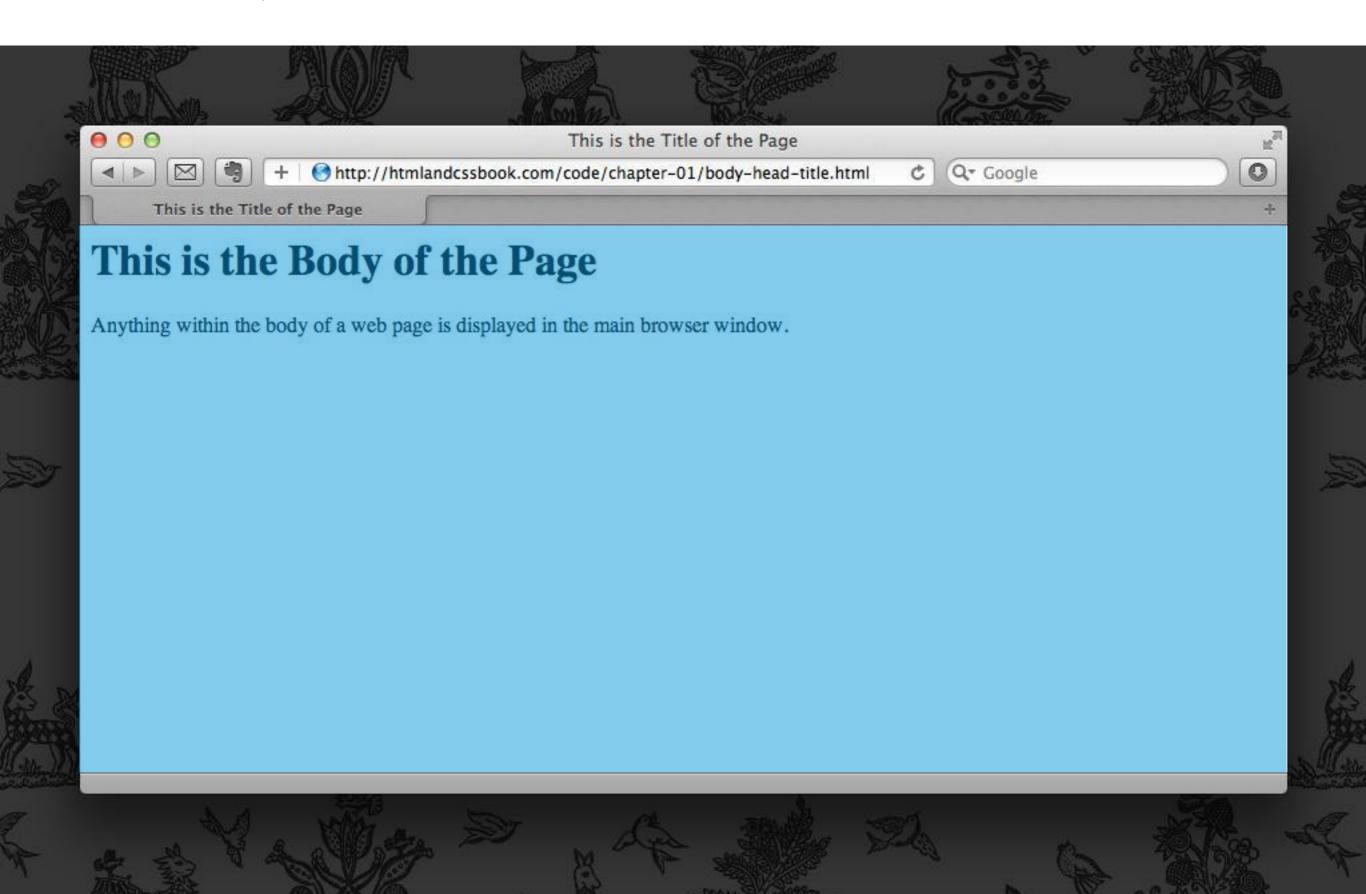
Tells the browser what type of document it is about to process.

Notice that it does not indicate what version of HTML is contained within the document: it only specifies that it contains HTML.

```
<html>
 <head>
 <title>This is the Title of...</title>
 </head>
 <body>
 <h1>This is the Body of the Page</h1>
 Anything within the body of a web
    page is displayed in the main
    browser window. 
</body>
</html>
```



```
<html>
 <head>
 <title>This is the Title of...</title>
 </head>
 <body>
 <h1>This is the Body of the Page</h1>
  Anything within the body of a web
    page is displayed in the main
     browser window. 
 </body>
</html>
```



Where to learn about HTML tags?

- Your textbook
- http://www.w3schools.com/ (and click HTML)
- In your browser: right click > view page source

```
Source of: http://www.cs.uni.edu/ - Mozilla Firefox
                                                                                                 - - X
File Edit View Help
   3 <title>Department of Computer Science, University of Northern Iowa</title>
   4 4 tink rel="stylesheet" href=" system/styles.css" type="text/css">
   6 <body>
   9 <div id="homecontent-center">
     <! ====== BEGIN CONTENT ======= !>
  13 <P> Welcome to the home of the Department of Computer Science at
        the University of Northern Iowa! </P>
      <A HREF="why cs.php">
          great time to be in computer science</A>,
       especially at UNI. Demand for IT professionals in Iowa and the
       Midwest grows faster than universities can produce graduates.
        The discipline of computing continues to push the boundaries of
       what is possible by discovering new ideas, building new kinds of
       systems, and bring new tools into the home, school, and office.
       If you want to be in the thick of the intellectual excitement
       that is changing every other discipline, then computer science
       is the place to be. </P>
  28 <P> At UNI, you will encounter a faculty immersed in this excitement
       and dedicated to student achievement. UNI CS's undergraduate and
        master's students work closely with faculty members to explore
       the discipline of computing, learn skills they can use in the
       marketplace, and have the opportunity to do research that extends
         the field. The department is located in the Innovative Teaching
         and Technology Center, which occupies the renovated
                        /www.library uni adu/collections/enec
```

Credits

Most of the content borrowed from course textbook:

HTML & CSS: Design and Build Websites by Jon Duckett