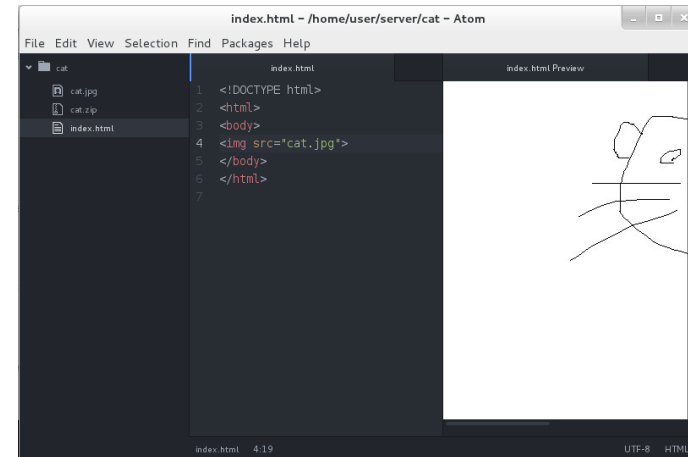


EECS 1012: Introduction to Computer Science

September 19, 2016

Continuing on from last day



Elements

- Large number.
 - (You will learn many of them, but you can look them up too.)
- `<tagname> ... </tagname>`
- Some tags are “empty” (like `img`). They can have no content
 - `` or ``

Elements can have attributes

- Add ‘information’ to the element
 - ``
- Different elements have different attributes
 - **NB: HTML tries to ignore things that are wrong**

<http://validator.w3.org>

Elements

- Block elements - represents a significant amount of text, can contain other elements
- Inline elements - smaller amounts of material, cannot contain other elements

Many elements

- `<p> ... </p>` - paragraph
- `<h1> ... </h1>` - header 1
- ` ` - unordered list
- ` ` - ordered list
- and many more...(see the text)

Some special characters

- `&`;
- `<`;
- `>`;
- `"`;
- ` `;

Have to have some way
to say `2>=3`

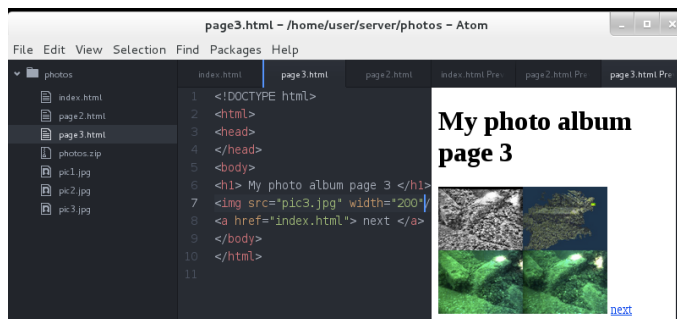
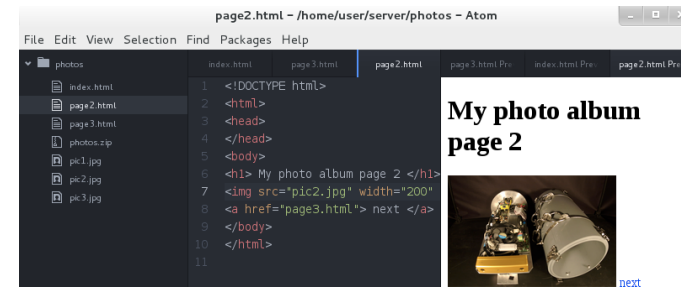
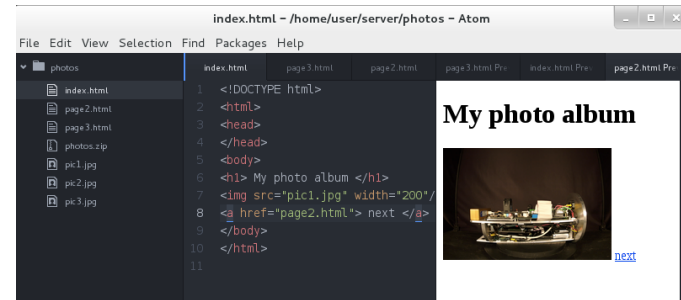
Media

- ``
- Audio and video 'work' but it can be very difficult to get everything to work everywhere
- Not all hardware supports all video/audio formats, or can play things the way you would like or...

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 </head>
5 <body>
6 <h1> Playing a video</h1>
7 <hr />
8 <video preload="true" width="320" height="240" controls>
9 <source src="video.mp4" type="video/mp4" />
10 <source src="video.mov" type="video/quicktime" />
11 </video>
12 And more text afterwards
13 </body>
14 </html>
```

Another worked example

- Photo album
- Three photos
- Hyperlink to go to 'next'



Download onto Android device

Adding some features

- Add a previous link
- Replace text links with images
- Structure into directories

Dealing with style

- When the web was younger, there was not a lot of attention paid to making pages render 'well' or 'in an intended style' on different hardware platforms.
 - That has changed...
- CSS (Cascading Style Sheets) are used to localize/compartmentalize/specify how the content of a particular web page should appear.
 - HTML -> content
 - CSS -> style

HTML5 & CSS

- In general, it is considered better style to separate style information (CSS) from content information (HTML) and to put both in separate files.
- Many advantages here, but one obvious one is that it enables style to be consistent over a web site.
- HTML files end in .html
- CSS files end in .css

Link to external CSS from HTML

```
<head>  
<link rel="stylesheet" type="text/css" href="mystyle.css">  
</head>
```