Course Curriculum

Week 1 - History and the Terminal

Overview of the history of computing, then an introduction to the way a computer operating system works and a chance to try the terminal.

Week 2 - Introduction to the Web (Feb 14th)

Overview of the Web technology - outline of a web server, HTTP then a chance to start learning HTML.

Week 3 - Coding HTML (Feb 21st)

After our introduction to the web we will start building a simple web page to represent something we are interested in.

Week 4 - Learning CSS (Feb 28th)

Having created our HTML page we will want to make it look pretty - lets take a look at how Cascading Stylesheets can help us build an exciting looking page.

Week 5 - Introduction to Javascript (Mar 6th)

Now we have been able to build up a web page, and make it look great - lets start seeing how we can make it dynamic through the use of a Javascript

Week 6 - Codecademy (Mar 13th)

We will go through the Codecademy program to help explain the basics of the Javascript language in more depth.

Week 7 - Javascript Hack Night (Mar 20th)

Javascript Hack - based on group feedback we will take on a more complex javascript project for our webpage (in groups)

Week 8 - Writing a web server (Mar 27th)

Now lets come back to our Ubuntu server and use a Javascript framework called Node.JS to write a web server that can serve up our page.

Week 9 - Learning more about Node.JS (April 10th)

Lets dig deeper into the Node.JS platform and how the Javascript language works.

Week 10 - Understanding the Cloud (Apr 17th)

We will get back to learning about the Cloud, what it is - what clouds there are, and how they work. We will focus on the Amazon Web Services platform.

Week 11 - Running a server in the cloud (Apr 24th)

As a group we will walk through the set-up of our web projects on an Amazon server.

Week 12 - Introduction to Source Control (May 1st)

We have been building lots of code, lets take a look at some of the ways that we can keep track of our code and more importantly the changes.

Week 13 - Individual projects (May 8th)

For the last few weeks we want to let each member of the class decide on a project they would like to pursue - we will then work with them for a couple of weeks and once again have a demo day.

Week 14 - Individual projects (May 15th)

Continuing development of individual projects

Week 15 - Individual projects (May 21st)

Continuing development of individual projects

Week 16 - Demo Day (May 28th)

Final demo day of individual