

HTML HANDS-ON

Week 3.2 - IST 263

HTML SUMMARY

- Describe HTML
- HTML Vocabulary
 - Element
 - Tag
 - Attributes

HTML TAGS

Block Elements (“tags”)

- H1, H2 ...
- Paragraphs
- Line Breaks
- Ordered Lists
- Unordered Lists
- Tables

Inline Elements (also “tags”)

- Bold, Italics, Underline
- Links
- Images
- Spans

SEMANTIC STRUCTURE

```
<html>
  <head>
    <title>Name of page</title>
  </head>
  <body>
    <header>
    </header>
    <main>
      <section id="section1">
      </section>
      <section id="section2">
      </section>
    </main>
    <footer>
    </footer>
  </body>
</html>
```

Why are they important?

- HTML structures content
- “Semantic” tags express meaning
- To search spiders, to screen readers...
- Also to future device platforms not yet known!

Worth creating a standard starter file?

MARKING UP A LETTER

Hands-on with HTML

PROJECT OBJECTIVE

For this project, your task is to mark up a letter that needs to be hosted on a university intranet.

The letter is a response from a research fellow to a prospective PhD student concerning their application to work at the university.

<https://goo.gl/HpqBV7>

Miss Eileen Dover
4321 Cliff Top Edge
Dover, CT9 XXX
UK

Re: Eileen Dover university application

Dear Eileen,

Thank you for your recent application to join us at the University of Awesome's science faculty to study as part of your PhD next year. I will answer your questions one by one, in the following sections.

Starting dates

We are happy to accomodate you starting your study with us at any time, however it would suit us better if you could start at the beginning of a semester; the start dates for each one are as follows:

- First semester: 9 September 2016
- Second semester: 15 January 2017
- Third semester: 2 May 2017

Please let me know if this is ok, and if so which start date you would prefer.

You can find more information about [important university dates](#) on our website.

Subjects of study

At the Awesome Science Faculty, we have a pretty open-minded research facility — as long as the subjects fall somewhere in the realm of science and technology. You seem like an intelligent, dedicated researcher, and just the kind of person we'd like to have on our team. Saying that, of the ideas you submitted we were most intrigued by are as follows, in order of priority:

1. Turning H_2O into wine, and the health benefits of Resveratrol ($C_{14}H_{12}O_3$.)
2. Measuring the effect on performance of funk bassplayers at tempratures exceeding $30^{\circ}C$ ($86^{\circ}F$), when the audience size exponentially increases (effect of $3 \times 10^3 > 3 \times 10^4$.)
3. HTML and CSS constructs for representing musical scores.

Exotic dance moves

Yes, you are right! As part of my post-doctorate work, I *did* study exotic tribal dances. To answer your question, my favourite dances are as follows, with definitions:

Polynesian chicken dance

A little known but *very* influential dance dating back as far as 300BC, a whole village would dance around in a circle like chickens, to encourage their livestock or be "fruitful".

Icelandic brownian shuffle

Before the Icelanders developed fire as a means of getting warm, they used to practice this dance, which involved huddling close together in a circle on the floor, and shuffling their bodies around in imperceptably tiny, very rapid movements. One of my fellow students used to say that he thought this dance inspired modern styles such as Twerking.

Arctic robot dance

An interesting example of historic misinformation, English explorers in the 1960s believed to have discovered a new dance style characterised by "robotic", stilted movements, being practiced by inhabitants of Northern Alaska and Canada. Later on however it was discovered that they were just moving like this because they were really cold.

For more of my research, see my [exotic dance research page](#).

Yours sincerely,

Dr Eleanor Gaye

University of Awesome motto: "Be excellent to each other." -- *Bill S Preston, Esq*

SEMANTIC HTML

Semantic HTML is the use of HTML markup to reinforce the **semantics**, or meaning, of the information in webpages and web applications rather than merely to define its presentation or look.

https://en.wikipedia.org/wiki/Semantic_HTML

HOMEWORK

CSS

Next Class