

Lab #3

Program Design



Mark Zuckerberg (Voice Over)

...I like the idea of comparing two people together. It gives the whole thing a very 'Turing' feel since people's ratings of the pictures will be more implicit, than say, choosing a number to represent each person's hotness like they do on hotornot.com.

Mark Zuckerberg (V.O.)

The first thing we're gonna need is a lot of pictures. Unfortunately, Harvard doesn't keep a public centralized facebook so I'm going to have to get all the images from the individual houses that people are in. Let the hacking begin.

Mark Zuckerberg (V.O.)

First up is Kirkland. They keep everything open and allow indexes in their Apache configuration, so a little wget magic is all that's necessary to download the entire Kirkland facebook. Kids' stuff.

Mark Zuckerberg (V.O.)

Next is Eliot. They're also open, but with no indexes on Apache. I can run an empty search and it returns all of the images in the database in a single page. Then I can save the page and Mozilla will save all the images for me. Excellent. Moving right along.

Mark Zuckerberg (V.O.)

Dunster is intense. Not only is there no public directory but there's no directory at all. You have to do searches and your search returns more than twenty matches, nothing gets returned. And once you do get results they don't link directly to the images, they link to a PHP that redirects or something. Weird.

"The only kind of learning which significantly influences behaviour is self-discovered or self-appropriated learning - truth that has been assimilated in experience" - Carl Rogers

Instructions:

Above is an extract from the script of the 2010 movie "The Social Network" (d: David Fincher, w: Aaron Sorkin) which concerns the founding of the social networking website *Facebook* and the resulting lawsuits. In the above scene Mark Zuckerberg is hacking into the Harvard website. I have underlined some of the terms he mentions that I want you to find more about. Here are the terms:

- The Turing Test
- Hacking
- Database Index
- Apache
- Wget
- Mozilla
- PHP

For each of these terms I want you to supply two things, (1) a definition you can find off the web, and (2) an explanation in your own words as to what you think it means. I'll do the first one for you:

The Turing Test

Web Definition: *"The Turing test is a test of a machine's ability to exhibit intelligent behaviour. In Turing's original illustrative example, a human judge engages in a natural language conversation with a human and a machine designed to generate performance indistinguishable from that of a human being."*

http://en.wikipedia.org/wiki/Turing_test

My Explanation: So how I understand this is that a person sits at a computer and they talk to someone over chat, the person they are talking to is either a real person or a computer program. If it is a computer program and it fools the person into thinking it is a real person, it passes the Turing test.

Submission:

In the Word document you have all your labs in:

PROGRAM-DESIGN-PORTFOLIO.DOC (or .ODT or .DOCX)

add in the definitions. Now e-mail your document to Damian.Gordon@dit.ie with a subject heading of PROGRAM DESIGN LAB #3 and in the message of your e-mail please let me know your full name, your student number, the name of your programme, the programme code, the name of the module, the year you are in (first year), and your assignment.

Marking:

Please note, this lab is due for submission today at the end of this lab. Each of these labs contributes to your final result in this module, so it's best to get the earlier ones done as well as you can, because as the labs continue on they will get harder, so you might as well pick up the easy marks early on.

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