CSCI-UA-4-005

Intro to Web Design + Computer Principles

Midterm Review

Professor Emily Zhao

M/W 12:30PM – 1:45PM

Agenda

- Assignment #5
- Review Topics
- Unix Maze
- Practice Exam
- Practice Website

Assignment #5 – Vector Graphics

What should link to my Vector Graphics assignment on my homepage?

Vector Graphics link

- Assignment #5 specifies that you should "**code the image directly into the HTML of your i6 home page**".
- For your Vector Graphics link, please link to your vector image as a standalone web page. You should just be able to copy and paste all your in-line code into a new document called `YourLogoName.svg` Make sure you include the XML filetype header. Any styles you included can go inside `<def>` between `<style>` tags
- Remember to upload `YourLogoName.svg` and create a link to it.

```
<?xml version="1.0" encoding="UTF-8"?>
<svg width="100" height="100">

    <defs>
        <style>
            <!-- style rules here -->
        </style>
    </defs>

    <!-- paste your svg code here -->

</svg>
```

Midterm

Midterm

Date: Monday, October 23rd

Format: Multiple Choice

Topics Covered: Computer Principles, The Internet, Unix, HTML, CSS, Web Graphics

- Paper exam; no laptops/internet
- Open note (bring in whatever you need)
- 5-10 multiple choice questions per unit
- 25-35 multiple choice questions in reference to attached code

Computer Principles/The Internet

Unix

Unix Maze

Download this zipped file `UnixMaze.zip` from the class website.

- This a folder (aka a directory) contains a series of nested folders
- Without peeking into using your file browser, use only the command line and UNIX commands to try to find this image within the directory.
- What is the file path to arrive to this image?

HTML

CSS

Raster Graphics

Vector Graphics

Practice Exam

Practice Exam

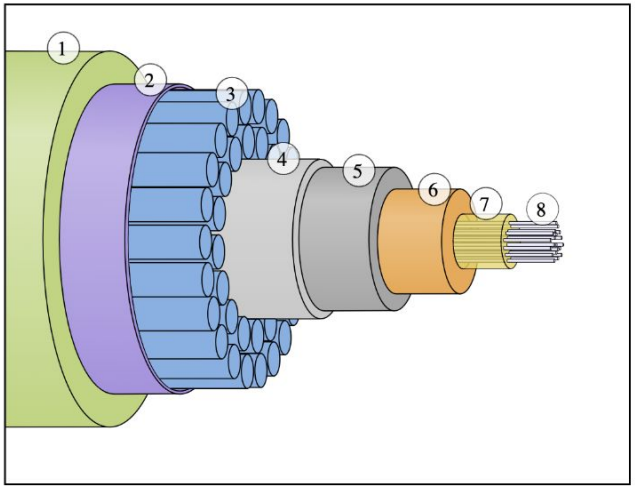
Open the `midterm-practice-exam.pdf` from the class website.

— Take the next 5-10 minutes to go through the questions

The format of the midterm will look very similar to this but with more questions.

Practice Website

Submarine Communications Cables



A cross section of the shore-end of a modern submarine communications cable.

1. Polyethylene
2. Mylar tape
3. Stranded steel wires
4. Aluminium water barrier
5. Polycarbonate
6. Copper or aluminium tube
7. Petroleum jelly
8. Optical fibers

A submarine communications cable is a cable laid on the sea bed between land-based stations to carry telecommunication signals across stretches of ocean. The first submarine communications cables—laid in the 1850s—carried telegraphy traffic. Subsequent generations of cables carried telephone traffic, then data communications traffic. Modern cables use optical fiber technology to carry digital data, which includes telephone, Internet, and private data traffic.

Modern cables are typically about 25 millimeters (0.98 in) in diameter and weigh around 1.4 kilograms per meter (0.4 lb/ft) for the deep-sea sections, which comprise the majority of the run. Larger and heavier cables are used for shallow-water sections near shore. As of 2010, submarine cables link all the world's continents except Antarctica.

Practice Website

Download the file called `website-review.zip` from the class website.

- Inside, you'll find text and an image that we will use to create our website.
- The first thing we are going to do is set up our HTML (10 min)
- Then, we'll apply the CSS (15 min)

Homework

- Assignment #5 (due midnight)
- Study for the midterm on Monday!