

COMP1531

7.1 - Frontend Basics

Fun

<https://userinyerface.com/>

Web Applications

- At least 2 major components (client, server)
- Multiple languages involved
 - Javascript, HTML, CSS, and whatever language implements your server.
- Fundamentally different to the sorts of programs you may have written so far

Web Browser

- HTML, CSS, Javascript all are languages with internationally determined standards
 - How are decisions made on these standards?
 - Who pays for all these software engineers to do the work?
- Web browsers implement these standards and allow us to run HTML/CSS/Javascript

HTML

- What does HTML stand for?
- HTML is the standard markup language for webpages
- HTML5 brought with it a massive wave of changes
- Let's make the following with HTML:
 - a basic page
 - a table
 - paragraphs, text, line breaks, headers

CSS

- CSS focuses on **styling**
- It provides styles in a format of:
 - attribute: value
- Styles can either be:
 - Part of the HTML in the style tag
 - Inline in the HTML file
 - External in a .css file
- Let's restyle our previous page using div/spans and CSS

Developer Consoles

Web browsers have a built in developer console that we can look at together