



CS197WP

Intro to Web Programming

Nicolas Scarrci - *February 2, 2017*

Contact Information

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Course Resources

- Course Website
 - <https://people.cs.umass.edu/~nscarrci/cs197wp>
- OWL Assignments
 - <https://owl.cs.umass.edu/>
Click Computer Science

University of Massachusetts at Amherst

- Accounting and Information Systems
- Art History
- Astronomy
- Biochemistry and Molecular Biology
- Biology
- Chemistry General
- Chemistry Organic
- Chemistry Upper Level
- Classics
- Computer Science
- Economics

Overview

- Covered Topics
 - HTML
 - CSS
 - JavaScript & jQuery (if time permits)

- Expectations
 - Some Java or similar programming
 - Familiarity with web browsers

Administration

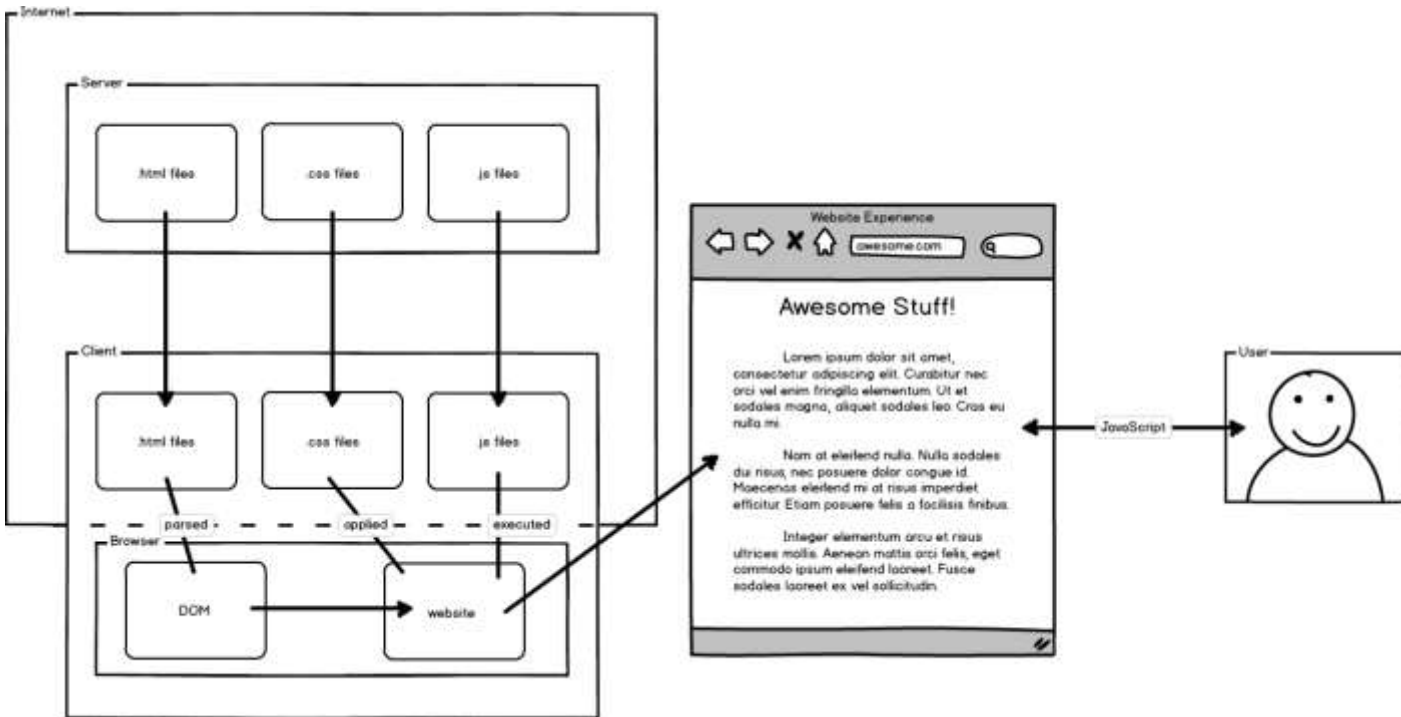
- This is a **1 credit PASS/FAIL** course.
- **1 Assignment, 5 check ins, 1 final grade**

	2/2	2/9	2/16	2/23	3/2	3/9
• Stu #1	FAIL	FAIL	FAIL	PASS	PASS	PASS

	2/2	2/9	2/16	2/23	3/2	3/9
• Stu #2	PASS	PASS	PASS	PASS	FAIL	FAIL

Schedule

- 2/2 Welcome & Separation of Concerns
- 2/9 Basic HTML
- 2/16 Basic Design & Mockups
- 2/23 Basic CSS
- 3/2 Responsive Design
- 3/9 Aesthetics & JavaScript



Separation of Concerns

HTML

- Structure
- Content

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Tab Text</title>
  </head>
  <body>
    Welcome
  </body>
</html>
```

CSS

- Layout
- Theme
- Aesthetics

```
ol
{
  margin-left:1em;
}

#specific-element
{
  font-weight:bold;
}
```

JavaScript

- Functionality
- Interactivity

```
$(document).ready(function()
{
  $('main > *:first-child')
  .on('click',function(){
    $('#slide-toggle').slideToggle();
  });
});

$('.blueable').css('color','blue');
```


Structure & Content

1. Build an outline
2. Identify *content*
 1. Ask: what is this?
3. Identify *structure*
 1. Ask: how is the content grouped?
 2. Ask: what does each group represent?

A photograph of a UMass Amherst campus scene, featuring a large tree on the left, a grassy area, and a modern building in the background. In the foreground, there are several tulips in shades of pink and yellow. The entire image is overlaid with a semi-transparent dark red filter.

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