

Front-End Web Development

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Start your engines!

- Connect to wifi
- Open your text editor
- Open GitHub desktop and GitHub website
- Open schoology

Final Project Milestone 2

- Draft HTML/CSS
- Pseudo code for JavaScript
- **Due this week - Wednesday 2nd March**

Submit your assignment

- Assignment 5 - **Due this week - Wednesday 2nd March**
- **REMINDER:** No “auto” extensions - if you need an extension please do me the courtesy of asking me personally

Reminder – Graduation requirements

- To graduate from the course, students must:
 - 1. complete at least 80% of assigned homework
 - 8 assignments so you can only miss one!
 - 2. attend 80% of classes - so you can miss up to a maximum of four
 - 3. satisfactorily complete the final project (as determined by the course instructor and stated on the class syllabus).

FEWD – LESSON 14

FORMS LAB

What are we going to cover today?

- Learning objectives review - 15min
- 15min challenge! - 15min
- Build a to do list app!
 - Feature requirements - 30min
 - Build it - 120mins (including break)

LEARNING OBJECTIVES

- Apply all skills learned thus far to create a to-do list application.

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LEARNING OBJECTIVES REVIEW

Top level understanding

- Understand the three tiers of front-end development and what their purpose is:
 - HTML
 - CSS
 - JavaScript

HTML Basics

- Able to create an HTML page and:
 - apply appropriate markup to content: `<p>`, ``, `<blockquote>`, headings etc
 - apply appropriate sectioning markup: `<nav>`, `<section>`, `<header>`, `<main>`, `<footer>`, `<article>`, `<div>` etc

CSS Basics

- Able to create and link an external CSS file and:
 - use CSS to style content: font-size, padding, margin etc
 - use CSS float, clear, display: inline-block, position etc properties to layout your content.
 - understand and apply variety of CSS selectors and selector combinations

CSS Box model

- Understand the CSS Box Model, and demonstrate the ability to properly manipulate the "box" around tags.
- Understand the difference between the default Box Model and the border-box model.
- Apply border-box model.

JavaScript

- Able to write pseudo code to break a program down into small parts
- Able to create and link an external JavaScript file
- Able to include the jQuery library
- Understand what the relationship between JavaScript and jQuery is

jQuery

- Recognise jQuery syntax
- Use the `$(document).ready()` function and describe what it does
- Use selectors and jQuery functions to effectively manipulate the DOM

JavaScript

- Recognise JavaScript syntax
- Use variables and understand variable types
- Apply conditionals (if(), else()) to change the programs control flow

Responsive design

- Articulate that responsive design is more design than code
- Apply fluid layouts, flexible images and media queries to create a responsive website

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15 MIN CHALLENGE

Let's start with a challenge

- From scratch - **hand coded - no generators or copy/paste**
- Create an index.html file
- Add the minimum markup to make it a valid HTML file
- Add a `<h1>` and `<p>`
- Create and link a CSS file
- Add basic style to your page

Bonus

- add jQuery
- create and link a JavaScript file
- write jQuery to change the font-size of your `<h1>` and `<p>` on click

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TODO APP!