

# Week 14: Final Class

## Agenda

- Overview
  - Previous Participation Questions/Responses
  - What's Due?
- Final Project Review
- Next Steps
  - What You've Learned
  - Technologies to Explore
  - Web Development as a Career

## Overview

Last week, we learned about responsive design and how it's used on web pages. Specifically, we covered media queries and the viewport meta tag along with some properties that are useful for making our pages look nice on multiple devices. This week, we will do Final Project Reviews and talk about next steps for web development.

## Previous Participation Questions/Responses

This link has the responses to the fun questions from previous weeks. Feel free to look over the responses from myself and your peers.

<https://docs.google.com/spreadsheets/d/1QLoQzbO-Er7ARIECl0aPvY1IKUyZTdYeuwsn4g0XEAK/edit?usp=sharing>

## What's Due?

- Final Project Review

## Final Class

Today we will do our Final Project Reviews. All of you will present the work you have done so far for your Final Project. I don't expect you to be entirely done at this point, but you should have something to talk about with the class. The order for the presentations is depicted below:

1. Benaoumeur, Olivia	11. Brown, Dylan	21. Rose, Tirrell	31. O'Connor, Jace
2. Stryker, Emily	12. Guerra, David	22. Hince, Christian	32. Owoborode, Prince
3. Scarzafava, Gianna	13. Iskowit, David	23. Carollo, Sam	33. McDonald, Tevon
4. Okanlawon, Josh	14. Kwok, Nixon	24. Rosenthal, Josephine	34. Jakowiw, Liam
5. Guecia, John	15. San Jose, Chris	25. Yee, Dan	35. Fung, Gordon
6. Hinkell, Nicholas	16. Cave-Lathbridge, Jade	26. Monzon Alvarenga, Elijah	36. Ruffner, Jack
7. Liz, Matthew	17. Martiniello, Michael	27. Gade, Thomas	37. Walker, Mazon
8. Newkirk, Konia	18. Adolfsen, Justin	28. Ofori Buah, Theo	38. DiLiberto, Kayla
9. Umanzor, David	19. Pinto, James	29. Mercado, Sherlyn	39. Biskup, Samuel
10. Lin, Bangyen	20. Gill, Joshua	30. Stiteler, Oliver	40. Antoine-Paul, Zonel

## Things to Discuss

The main goal is to demonstrate your progress and talk about your website. Go through your pages and mention your reasons for doing things the way that you did. Feel free to use any of the points below as talking points:

- What is your website about?
- Who is the intended audience?
- Why did you choose your design/color scheme?
- What JavaScript feature are you using or planning to use?
- Are there any parts you're particularly proud of?
- Are there other features you would have liked to include?

## Next Steps

### What You've Learned

We've learned a lot about web technologies this semester. Specifically, these are some of the topics we covered:

- Website Planning (wireframes, style tiles, needs assessments)
- Image Editing
- HTML (by extension, you can also understand XML)
- CSS
- JavaScript
- JQuery
- Responsive Design
- Usability/Accessibility

These items provide you with a solid foundation to be a front-end web developer. Understanding the concepts above on a fundamental level is more important than learning any framework or workflow. The reason for this is because all frameworks and workflow tools are built upon the basic stuff. If you understand the basic things well, you'll have a better chance at being able to manipulate more advanced tools for your purposes.

### Technologies/Concepts to Explore

All the things we've learned so far have been geared toward front-end development. This is only one small portion of the entire web development field. If you want to become a more seasoned developer, I would recommend exploring back-end (server-side) technologies and responsive design. Below is a list of topics you can explore outside of this course to help you become a better web developer/coder in general.

- Responsive Design
- Flexbox/Grid
- PHP/Any Server-Side Language
- Databases/SQL
  - Records vs Fields
  - CRUD Statements

- Data Security
- XML
- JS Frameworks (backbone.js, node.js, etc.)
- Cross-browser Compatibility (CSS Reset)
- Page Performance Optimization (Image optimization/compressing files)
- Version Control (Github)
- Debugging

### **Web Development as a Career**

Web Dev can be a very rewarding field if you like to be challenged and have a creative side to you. Depending on the skillset you have, you may work as a front-end, back-end, or full stack developer.

Front-end developers typically work with HTML, CSS, and JS to make pages look a certain way for clients. You should know how to build a page and use JS to spruce it up with features. Frameworks such as angular or react may be used. UI/UX principles are important for these types of developers.

Back-end developers typically work with JS, server-side programming languages, and databases. They build the applications which people use on the website. Shopping carts, logins, blog posts, etc. are all things which use server-side technologies. Back-end developers also need to consider security concepts as well to keep data secure.

Full-stack developers work might work with all technologies from start to finish. They tend to do more project management things and can use a wider set of tools. For full-stack development, you want to understand HTML, CSS, programming in general, UI/UX concepts, and how data works.

Entry level positions in this field usually start around \$60,000/year, but with a few years of experience, you could get to \$100,000+/year. The average salary seems to be a little bit above \$100,000/year for the field in general.

If you want to get hired somewhere, I would recommend building mock web pages or projects to demonstrate your skillsets. Friends, family, or business owners looking for a website could be potential clients for you to work with. Even if you don't have an official project, you can always build something just for show.

### **Participation Questions 12/2**

There are no participation questions for our final class. Your Final Project Review will serve as your participation for today.

This link has the responses to the fun question from previous weeks. Feel free to look over the responses from myself and your peers.

<https://docs.google.com/spreadsheets/d/1QLoQzbO-Er7ARIECl0aPvY1lKUyZTdYeuwsn4g0XEAk/edit?usp=sharing>

## Next Week

There are no more classes after this one. However, you still have the Final Project to submit. I'll be hosting regularly scheduled office hours, but I'll be available by appointment as well. Please make sure to get your work done as soon as possible so you have time to resubmit items if necessary.