

CPSC 314 Web Development

[Gonzaga University](#)

[Daniel Olivares](#)

Homework 3 – CSS

Individual, non-collaborative assignment

Learner Objectives

At the conclusion of this programming assignment, participants should be able to:

- Modify a multi-page HTML web page into a single HTML web page
- Use Cascading Style Sheets (CSS) to create a visually appealing web page

Prerequisites

Before starting this programming assignment, participants should:

- Have completed chapter 3 in the class zyBook
- Have completed Homework 2
- Create a basic, multi-page HTML web page

Overview and Requirements

For this assignment, you will be modifying your basic multi-page HTML web site submitted in HW2 to be a **single page** CV and include additional CSS styling. As with the previous assignments, you'll be committing the web pages and any web resources to a local repository and pushing those changes to a remote repository.

Submitting Assignments

Submitting your assignment requires submitting in two steps:

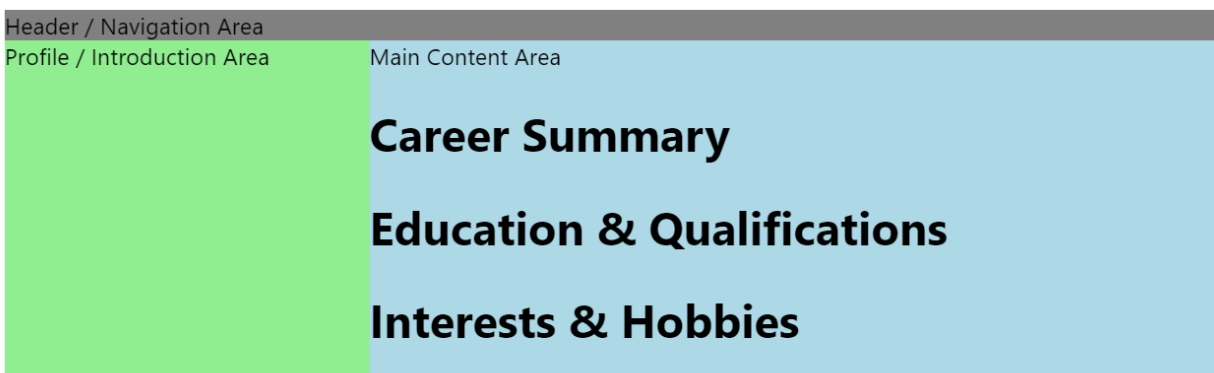
1. Submit your assignment to the appropriate GitHub Classroom repository. You'll find the invitation URL as part of this assignment and on the Canvas assignment page.
2. Submit your GitHub Classroom repository URL to Canvas (Line 1).
3. Submit your `http://barney.gonzaga.edu/~studentname/HW3/index.html` URL to Canvas (Line 2)

Note: By submitting your code to be graded, you are stating that your submission does not violate the CPSC 314 Academic Integrity Policy outlined in the syllabus.

Assignment Tasks (Part 1)


1. Your task is to convert your 4-page CV created in HW2 into a 1-page CV and to add additional styling to visually separate each section. using basic CSS learned in Chapter 3 of the course zyBook.
2. Use your HW2 submission as the starting point for this assignment. If you have not completed HW2, you will need to do so before you can move onto HW3. **You are not allowed to start from a website builder / template page generator!**
4. Make the following modifications/additions to your CV website. Note that these are the minimum requirements, you may change more, just make sure to meet each requirement. *This will be a basic web site; you are not required to use JavaScript.*
 - a. For this assignment, you may choose to use an **embedded stylesheet** or an **external stylesheet**. If you feel you *NEED* to use an *inline style*, you must include a comment next to the styled element and justify its use. Note your use of inline style comments in the name comment block.
 - b. Using the **class attribute** in your HTML elements and the **class selector** in your CSS script section (header or external), create a basic 3 pane layout (*hint: see zyBook section 5.1 and 5.2 as a starting point and see the image(s) below*) using any combination of HTML containers (I suggest **divs**) for
 - i. a **CSS styled logo** and navigation links area (top) – *Move your navigation content here and adjust as directed below.*
(e.g., see: https://www.w3schools.com/css/css3_images.asp).
 - ii. your profile image / introduction area (left) – *Move your introduction content here and adjust as directed below.*
 - iii. your main content area (right). The main content includes the career summary, education and qualifications, and interest and hobbies sections content created previously in HW2 – *Move the relevant section content here and adjust as directed below.*


One suggested method is to create your layout first with simple placeholder text and background coloring styles to visually identify each section and layout before adding your main content. This will make it easier to tweak desired layout style options for an initial layout and then remove the border styling when you are satisfied with how your content is displayed, e.g. see an example layout below:



- c. Move your “Introduction” section from your introduction page to the new Profile/Introduction area.
 - i. Includes a profile **image** – use CSS to size this appropriately (e.g., see: https://www.w3schools.com/css/css3_images.asp).
 - ii. Make sure this section includes your name and a relevant job/profession title
 - iii. Includes a summary **paragraph**– use CSS to visually separate this paragraph from your profile image and name (*Your choice on how to do this*).
 - iv. Move the **unordered list** of your core skills from the introduction to the main area (as you feel best fits your layout). Add a CSS style to modify the bullet list appearance.
 - v. Move the section links (**fragment**) to the navigation pane / header area of your web site.
- d. A “Career Summary” section
 - i. Stylize your **table** using CSS to better visually separate and organize your roles and work experience in reverse chronological order (*Your choice on how to do this*). Using a CSS class, set your table to have alternating row colors.
- e. An “Education and Qualifications” section
 - i. Stylize your **tables** using CSS to better visually separate and organize your education and qualifications (*Your choice on how to do this*). Using a CSS class, set your tables to have alternating row colors.
- f. An “Interests and Hobbies” page
 - i. Move your **ordered list** of your interests and hobbies to the appropriate section in your new layout. Add a CSS style to modify the list appearance.
 - ii. For any interests/hobbies using a **graphical hyperlink**, stylize the image(s) in a manner of your choosing using CSS (e.g., see: https://www.w3schools.com/css/css3_images.asp).
- g. Move your navigation scheme to the navigation section described above.
 - i. Modify the navigation to use section links (fragments) to navigate between each of the 4 main sections of your web page.
 - ii. Use the **nav section tag** to surround your navigation elements.
- h. Use **Section** and **subsection containers** as appropriate throughout your web page.
- i. Create and include a custom **favicon** for your website
- j. Include a block **comment** at the top of each page with your name, the class name, assignment name, and last modified date.
- k. Feel free to “fill in” any missing details and/or add additional sections to your CV as long as you meet the minimum requirements outlined above.
- l. **Use the validator website** to make sure you **do not have any warnings or errors**:
<https://validator.w3.org/>

Your goal is to create a visually appealing web CV in a similar layout as the images below (though note the second example layout does not have the required navigation header) and the above described conditions. Note that the content and styling in the example image is not relevant to your final web page so much as the general visual layout. The examples are to give you a general idea of the end layout, not the content.

[Link1](#) – [Link2](#) – [Link3](#)



FirstName LastName

Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Phasellus quis interdum nisl, ut pretium nibh. In id ipsum nulla. Sed ut sapien eget felis faucibus blandit id quis justo. Sed sed nunc dolor. Praesent convallis magna interdum tortor auctor eleifend. Vivamus varius eros dolor, eget efficitur nibh aliquam a. Sed malesuada a dolor a scelerisque.

Other Personal Information

Career Summary

Education & Qualifications

Interests & Hobbies



NAME HERE

JOB TITLE HERE

PROFILE

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas porttitor congue massa. Fusce posuere, magna sed pulvinar ultricies, purus lectus malesuada libero, sit amet commodo magna eros quis urna. Nunc viverra imperdiet enim. Fusce est. Vivamus a tellus. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas porttitor congue massa. Fusce posuere,

CONTACT

PHONE:
678-555-0103

WEBSITE:
Website goes here

EMAIL:
someone@example.com

EDUCATION

[School Name]
[Dates From] - [To]
[It's okay to brag about your GPA, awards, and honors. Feel free to summarize your coursework too.]

[School Name]
[Dates From] - [To]
[It's okay to brag about your GPA, awards, and honors. Feel free to summarize your coursework too.]

WORK EXPERIENCE

[Company Name] [Job Title]
[Dates From] - [To]
[Describe your responsibilities and achievements in terms of impact and results. Use examples but keep in short.]

[Company Name] [Job Title]
[Dates From] - [To]
[Describe your responsibilities and achievements in terms of impact and results. Use examples but keep in short.]

[Company Name] [Job Title]
[Dates From] - [To]
[Describe your responsibilities and achievements in terms of impact and results. Use examples but keep in short.]

[Company Name] [Job Title]
[Dates From] - [To]
[Describe your responsibilities and achievements in terms of impact and results. Use examples but keep in short.]

SKILLS

SKILL #1	35%
SKILL #2	75%
SKILL #3	25%
SKILL #4	100%
SKILL #5	50%

Part 2: GitHub Classroom Submission

See the tutorial for submitting to the GitHub Classroom in HW1, the process will be the same with the exception of the assignment URL which you'll find below.

1. <https://classroom.github.com/a/ofZr7-1e>

Part 3: Uploading your website to a remote host

See the tutorial for submitting to the GitHub Classroom in HW2, the process will be the same.

Extra Credit

3 pts for (tastefully) applying special effects to your web page (see zyBook section 5.4). To get credit, you must state that you have attempted this part of the extra credit in your assignment submission AND put a comment with the tag `/* EXTRA CREDIT special effect */` in your stylesheet where you applied the special effect.

2 pts for using 2 different fonts (font-family) and citing a mixed-font styling guide as your justification for the font decisions (e.g., one font for headers and one for body text and a source supporting that decision). To get credit, you must state that you have attempted this part of the extra credit in your assignment submission AND put a comment with the tag `/* EXTRA CREDIT custom font */` in your stylesheet where you set the fonts.

Grading Guidelines

This assignment is worth 100 points. Your assignment will be evaluated based on a completeness of your submission and adherence to the web page requirements. For this assessment, the **emphasis is on your use of CSS styling** throughout your web page. We will grade according to the following criteria:

- 23 pts Overall Document
 - 5 pts for use of an **embedded stylesheet** or an **external stylesheet**
 - 10 pts for using the **class attribute** and the **class selector** to apply styles to your HTML document
 - 5 pts for use of **section** and **subsection containers** as appropriate throughout your web page
 - 3 pts for a unique **favicon** for your website
- 11 pts Header
 - 5 pts for including a **logo** and **navigation links** area (top)
 - 2 pts for use of a **nav section tag** to surround your navigation elements
 - 4 pts for section links (**fragments**) located in the top pane and linking to each CV section
- 8 pts Left
 - 2 pts for including your profile image in the introduction area (left)
 - 4 pts for applying CSS styling to your profile **image**
 - 2 pts for your name and a relevant job/profession title in the introduction section
- 30 pts Right
 - 4 pts for a summary **paragraph** visually separated from the profile image / name using CSS

- 3 pts for including your main content area (right)
- 2 pts for an **unordered list** of your core skills styled using CSS to modify the bullet list appearance.
- 4 pts for the Career Summary section **table** styled using CSS
- 8 pts for an Education and Qualifications section with stylized **tables** using CSS
- 4 pts for using CSS to set alternating row styles to tables
- 2 pts for an Interests and Hobbies section with an **ordered list** using a CSS style to modify the list appearance
- 3 pts for stylizing your **graphical hyperlink** using CSS
- 28 pts Misc.
 - 3 pts for a block **comment** at the top of the page with your name, the class name, assignment name, and last modified date.
 - 5 pts for passing the **validator** website check: <https://validator.w3.org/>
 - 5 pts for your Barney server URL loading successfully
 - 15 pts for adhering to directions and following formatting / “best practices” as discussed in the course zyBook section 3.7