

COMP208: Web Application Development

Week 1 – Intro to Visual Studio, HTML & UX & UI Design

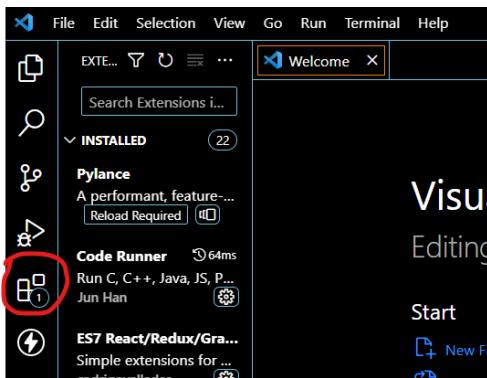
Task: Create your Website folder structure and the first two pages. Follow all steps in the instructions below.

1. Download the Visual Studio Code editor from <https://visualstudio.microsoft.com/>



2. Click on the extension icon and add the following extensions:

- HTML CSS Support
- Live Server
- Prettier



3. Set up your **folder structure in VS Code**, as demonstrated in the lecture section with the VS Code demo - including required naming conventions and all required files - as shown in the screenshot below:



REMINDER: Click File in the menu, then 'New File' to create files in VS Code. Use Explorer and right-click, then select 'New folder' to add your images folder.

4. Open *index.html* in VS Code and use the keyboard shortcuts provided in the lecture demo to create the HTML skeleton, then save it. Do the same for *about.html*

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5. **Review** both examples of a Teaching Portfolio website, then **complete** the evaluation in the table below for one of these.

Example 1: https://northeastern.digication.com/cassandraburke/About_Me

Example 2: <https://saracampion.github.io/>

Evaluation of existing Teaching Portfolio Website Example

Example No:	<i>Describe the users (of the website i.e. the groups of people it is made for)</i>	<i>Define the Website goals</i>
Example 1?	1. Good use of colour, however some of the links don't work, when the website says click from more info, the website doesn't open up a	1. To convey who Cassandra is as a teacher. 2. Convert her teaching style 3. Provide examples of previous work.

6. **Save** all image files into the images folder of your website (drag and drop using ‘Explorer’ in VSCode) – these are the ones you created/modified using the section of the lecture focused on “Graphic Design Demos using Canva”
7. Graphic Design for your Website - **Complete** the tables below according to the instructions provided in italics (you should remove the instruction text and replace with your own work)
Enhanced Profile Photo for your website:

Original photo	Edited photo	Describe all changes/modifications made to original
<i>insert your original, unedited/manipulated photo here</i>	<i>insert your final edit of your new profile photo here</i>	<i>use dot points e.g. * added square frame with corner rounding set to 45 * increased brightness by 8 * increased saturation by 5</i>

Visual Tiles/Infographics for your website:

Graphic created (you must include two different ones)	Name of page created for	List the key steps used to make your image
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<p><i>insert your final edit of the graphic you created for your website</i></p>	<p>e.g. 'About Me' page, 'Teaching Philosophy' page</p>	<p><i>To create this image I used a border and some cursive font and then centred this to the middle of the page. I centred these and then fixed the alignment.</i></p>
	<p><i>This will go on my front page at the bottom as a bit of a goal / vision statement.</i></p>	
	<p><i>This is the image I used for my website. This will go on the main page.</i></p>	<p><i>I cropped the image, to remove the background. I then used the Frame feature on canvas to make the edges rounded (rounded 10)</i></p>
	<p><i>This is the image that I used on my about me page.</i></p>	<p><i>I cropped this image but left it without curved edges.</i></p>

8. Select about.html tab in VS Code, change the website name in the header from 'Document' to your chosen name, as shown in the lecture demo.

9. Then **add the following content** in the body section of your 'About Me' (about.html) page:
 - a. **Add a Page Heading**
 - Use a heading tag (e.g. <h1>) with the text: About me
 - b. **Style Your Heading Colour**
 - Use inline CSS (e.g. <h1 style="color:blue">) to set the heading to any colour **except black or white**
 - Use the **Adobe Color Contrast Checker** (<https://color.adobe.com/create/color-contrast-analyzer>) to make sure the colour is readable on a **white background**. Take a **screenshot** of the '**pass**' result then **paste it in the box provided below Add Your Profile Image**
 - Insert the enhanced profile image you edited earlier
 - *(Optional): Set its width to 250px using HTML*

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c. **Add One Graphic from Canva**

- Insert at least **one design** (e.g. a visual tile or infographic) that you made in Canva
- Add text before and/or after the image to help it make sense on the page

d. **Write About Yourself**

- Include at least **two paragraphs** with key details about you
- Use the examples in **Step 5** from earlier as a guide

e. **Add Text Styling**

- Change the **font** on at least one **heading or paragraph**
- Use **italic styling** for one heading or paragraph

f. **Add a Hyperlink**

- Insert a link (<a>) to at least one external website that is relevant to your **teaching or studies**

g. **Add Comments in Code**

- Use <!-- comment --> to explain each major section of your HTML, as shown in the lecture demo

★ Optional / Extension Tasks:

i. **Background Colour**

- Change the background colour of the page
- You must also change the **text colour** in Step 2 to make sure it **passes the Contrast Checker**
- Take a screenshot of your ‘pass’ result in **Contrast Checker** and upload it to the space below

ii. **Add a List**

- Include a list (or) about something relevant to you

HINT: Remember to keep checking the Live Preview tab as you make changes, to ensure your HTML code is correct as you go along.

Screenshot/s of Results from the ‘Contrast Checker’ - Adobe Color Accessibility Tools:



10. **Submit** your entire website folder as a zip file, including a completed **PDF FILE copy** of this worksheet. File name must be in this format:

Lastname Firstname – Week01.zip