

2.1 Specializing on web related files as a web developer

- As a web developer, you are most interested in web related files and the corresponding application to open, create and/or modify them with.
- **File types you need to master as web developer are:**
 - Text/code files (.html, .css, .js, .txt)
 - Image files (.png, .jpg, .svg, .psd)
- **Applications you need to master as web developer are:**
 - Text editors (Visual Studio Code, recommended, Sublime, Atom, Notepad++)
 - Browsers (Chrome is recommended, forget the rest, Edge, Safari, Firefox)
 - Image editors (Photoshop, recommended, Sketch, Paint/alternative to photoshop)
 - Collaboration tools (Zoom, Slack, GitHub/Git)
- **Why do we need text/image editors and browsers?**
 - As a web developer, you need to master your tools to create a new web file, to open and check them if they are working correctly and sometimes a tool to debug and fix identified problems.
 - Your text editor, VS Code/Sublime, is your tool to create, edit and fix problems on your code.
 - Remember that you would be working on the same file but opening it with different applications for different purposes
 - The two most important tools you use the most are your Text editor (VS Code) and your browser (Chrome)

2.2 Understanding Visual Studio Code (VSC)

- VSC is a code editor that can be used with a variety of programming languages, including JavaScript, Node.js and Python. Here are the most common tasks you do using VSC.
 - Open existing folder or file

- Create a new folder in a specific location
- Create a new file in a specific location
- Make edits and save
- Renaming files and/or folders
- **Here is a list of VSC extensions (add extra feature to VSC) you must install:**
 - Open in browser (TechER): to fast open html file in browser
 - Live Server (by Ritwick Dey): Launch a development local Server with live reload feature for static & dynamic pages
 - Material icon theme (by Philipp Kief): provides lots of icons based on Material Design for VSC
 - Prettier (by Prettier): a tool that automatically makes your code more readable or formatted
 - Auto rename tag (by Jun Han): automatically renames paired HTML/XML tags
 - CSS Peek (by Pranay Prakash): to check the properties attached to a css class or id from your HTML file. With CSS Peek, you can view a hover image of your CSS from within your HTML file.
 - Bracket colorizer (by CoenraadS): for colorizing matching brackets (This extension is deprecated as this functionality is now built-in to VS Code).
 - Indent rainbow (by Odewart) : makes indentation easier to read
 - JS JSX Snippet (by Nai You Run): Provides handy code snippets to quickly generate common JavaScript and React code structures, speeding up the development process.

2.3 Understanding your browser (Chrome)

- **As a web developer, there are two major things that you use your browser for:**
 - Opening an HTML file to see how it looks
 - Debugging (identifying and removing errors, using the inspect extension)

- **Things you can do to increase your efficiency in using your browser:**

- Take advantage of chrome extensions. Ex. Ad Blockers, Developer Tools
- Customize your chrome browser to your likings
 - Set it as the default browser
 - Set the default download location
 - Set the default search engine on it
- Understand how to clear browsing data
- Add chrome to your taskbar (Remove every other browser from there)

- **Mastering Google**

- Remember this is the main skill you want to master!! It is google researching that you need to master more, not Node, or React or JavaScript
- Your main goal is decreasing the amount of time it takes you to SEARCH AND FIND an answer
- Use quotes to search for an exact word or phrase
- Search answers specifically from certain websites
 - Ex. <https://stackoverflow.com/> and <https://www.w3schools.com/> should be your go to website to find answers
- Search images using Google images
- To find a specific file from the internet, use “filetype:pdf “
- Master long tail search results by fully writing out your questions
- Please refer to this website for some google searching techniques:
<https://time.com/4116259/google-search-2/>

2.4 Quick revision and improving google search skill

- Below, you will find video resources from YouTube explaining in detail about computers and operating systems. Here is a very good playlist that explains about computers:

- <https://www.youtube.com/watch?v=AQ5F7I7tnsc&list=PLpQQipWcxwt-xhJVJs7MCcU-XzWYVsTQI> (it has 25 videos with an average of 3 minutes each (total of an hour and a half))
- <https://www.youtube.com/watch?v=z2r-p7xc7c4> (Windows operating system)
- <https://www.computerhope.com/issues/ch001789.htm> (Most common file types on your computer)
- <https://time.com/4116259/google-search-2/> (Google search tricks)