

REAL WEB DEV 2024 Guide



My strategy to being a noob software
developer (Easy)

Class Contents for the next 30 days :

Using an IDE (Types and preferred)

Working with extensions

Working with Tags, Elements & Attributes

Document Structures : Text Formatting & Semantics.

Design concepts: Links & Images

HTML 5 Semantic Fillings

CSS tags and uses

Selectors

Styling text, color and background

Layouts

Responsive Designing : Introduction to responsive designing

Advanced CSS

- Creating your first static website (Project)

Addition:

- Using vscode
- using Github
- Learning to use Github with vscode

Table of Contents

| | |
|--|-------------------------------------|
| Using an IDE | 6 |
| Installing Extensions | 7 |
| Working with Tags, Elements & Attributes . | 8 |
| HTML Basics | Error! Bookmark not defined. |
| Document Structures: Text Formatting & Semantics ... | Error! Bookmark not defined. |
| CSS (Cascading Style Sheets) | Error! Bookmark not defined. |
| Responsive Design | Error! Bookmark not defined. |

By the end of this 30 day s yall would have learnt the basics of software development and understood the basics of what it at least takes to start off your journey in frontend development (and got your very own static website)

It is a vast sector and a lot of information is to be grasped so if you the type to consistently want to learn, then software development is for you

(this program is free for the first class but will change as the time progresses to learn more but for now...

just study bruhh 🦴 🦴)

Using an IDE

****1. Commonly Used IDEs:****

- ****Visual Studio Code (VSCode)**:** A popular, free code editor with extensions for various languages and tools.
- ****WebStorm**:** A powerful IDE for modern JavaScript development.
- ****Atom**:** A hackable text editor for the 21st century.
- ****Sublime Text**:** A sophisticated text editor for code, markup, and prose.

****3. Common Shortcuts in VSCode:****

- ****Open Command Palette**:** ``Ctrl+Shift+P`` or ``Cmd+Shift+P`` on Mac.
- ****Toggle Terminal**:** ``Ctrl+``` or ``Cmd+``` on Mac.
- ****Find Files**:** ``Ctrl+P`` or ``Cmd+P`` on Mac.
- ****Go to Definition**:** ``F12`` or ``Cmd+Click`` on Mac.

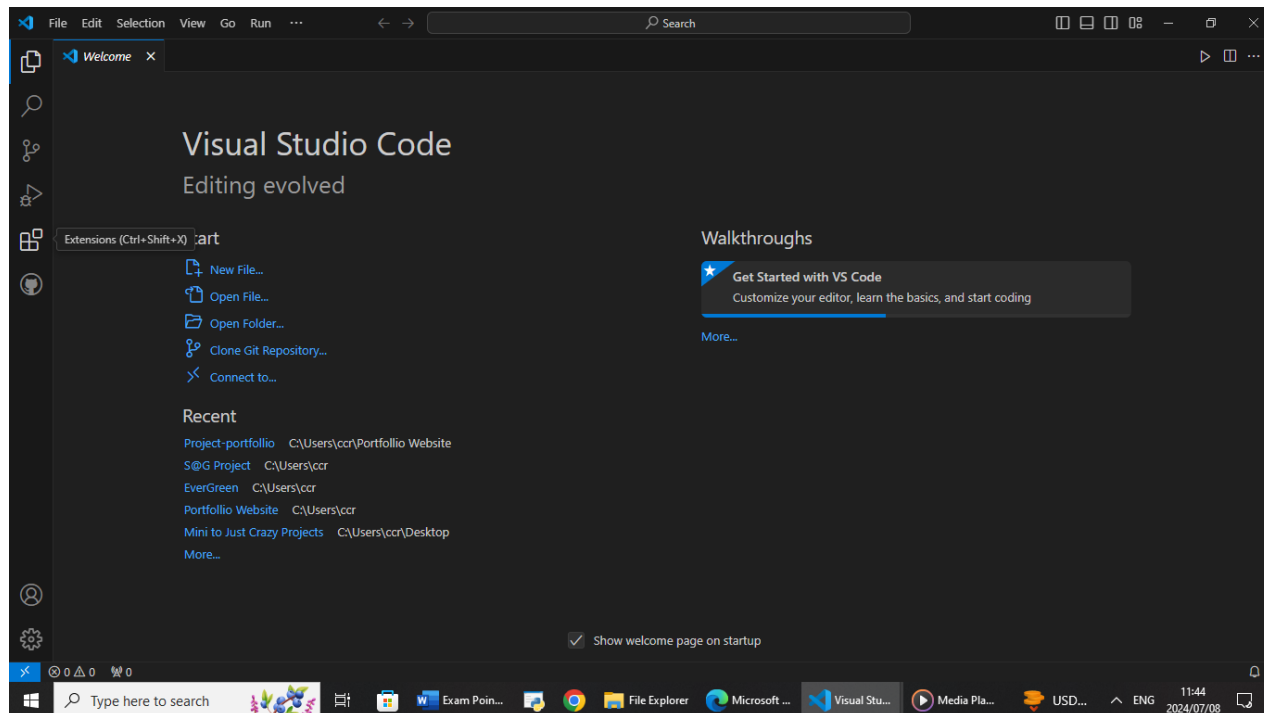
Working with Extensions

****1. Commonly Used Extensions in VSCode:****

- ****ESLint**:** Integrates ESLint into VSCode.
- ****Prettier**:** An opinionated code formatter.
- ****Live Server**:** Launch a local development server with live reload feature.
- ****Bracket Pair Colorizer**:** Colorizes matching brackets.
- ****GitLens**:** Supercharges the Git capabilities built into VSCode.

Installing Extensions

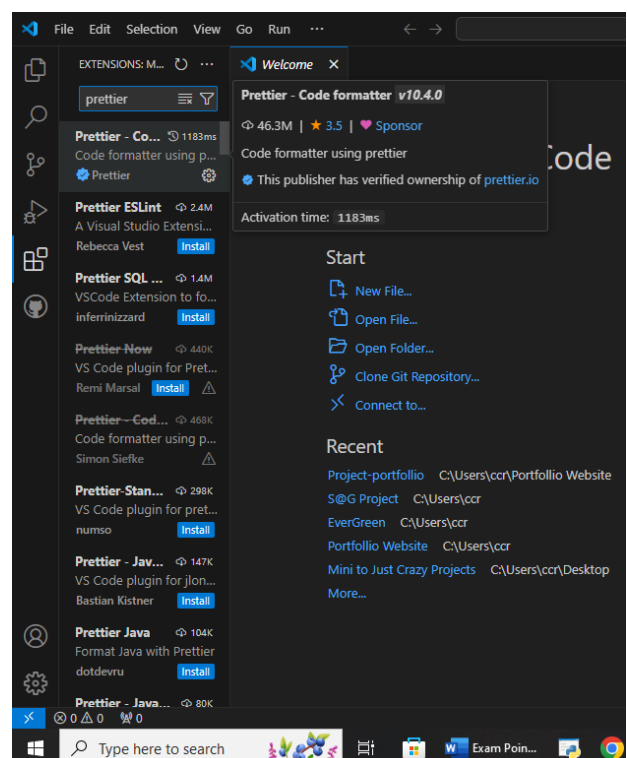
- Open the Extensions view by clicking on the Extensions icon in the Activity Bar on the side of the window or by pressing `Ctrl+Shift+X`.
- Search for the extension you want to install.
- Click the ****Install**** button.



Just a few major extensions you might need so heres the few you will start with :

- **Prettier**
- **Live Server**
- **Live Preview**

(just search it on the top icon and search each title, then install so that you can start with the process)



Working with Tags, Elements & Attributes

| Tag | Description | Common Attributes | Example |
|--------------|--|---|---|
| <html> | Root element of an HTML document | lang, dir | <html lang="en"> |
| <head> | Container for metadata (not displayed on the page) | | <head> |
| <title> | Sets the title of the document | | <title>My Page</title> |
| <body> | Container for the content of the document | background, bgcolor, text, link, vlink, alink | <body> |
| <h1> to <h6> | Headings, with <h1> being the highest level | id, class, style | <h1>Heading 1</h1> |
| <p> | Paragraph | id, class, style, align | <p>This is a paragraph.</p> |
| <a> | Anchor (hyperlink) | href, target, title, rel | Link |
| | Image | src, alt, height, width | |
| | Unordered list | id, class, style | Item 1Item 2 |
| | Ordered list | id, class, style, type, start, reversed | Item 1Item 2 |
| | List item | id, class, style, value | List item |

| Tag | Description | Common Attributes | Example |
|-------------------------------|-----------------------------|--|--|
| <code><div></code> | Division or section | id, class, style | <code><div class="container">Content</div></code> |
| <code></code> | Inline container for text | id, class, style | <code>Red text</code> |
| <code><table></code> | Table | id, class, style, border, cellpadding, cellspacing | <code><table><tr><td>Data</td></tr></table></code> |
| <code><tr></code> | Table row | id, class, style | <code><tr><td>Row</td></tr></code> |
| <code><td></code> | Table data cell | id, class, style, colspan, rowspan | <code><td>Cell</td></code> |
| <code><th></code> | Table header cell | id, class, style, scope, colspan, rowspan | <code><th>Header</th></code> |
| <code><form></code> | Form for user input | id, class, style, action, method, enctype, target | <code><form action="/submit" method="post"></form></code> |
| <code><input></code> | Input field | type, name, value, id, class, style, placeholder | <code><input type="text" name="username"></code> |
| <code><button></code> | Button | type, name, value, id, class, style, disabled | <code><button type="submit">Submit</button></code> |
| <code><label></code> | Label for an input element | for, id, class, style | <code><label for="username">Username:</label></code> |
| <code><textarea></code> | Multi-line text input field | name, id, class, style, rows, cols, placeholder | <code><textarea name="message" rows="4" cols="50"></textarea></code> |
| <code><select></code> | Drop-down list | name, id, class, style, | <code><select name="options"><option>Option 1</option></select></code> |

| Tag | Description | Common Attributes | Example |
|--------------|--|---|--|
| | | multiple, size | |
| <option> | Option in a drop-down list | value, selected, id, class, style | <option value="1">Option 1</option> |
| <link> | Link to an external resource | href, rel, type, media, hreflang, sizes | <link rel="stylesheet" href="styles.css"> |
| <script> | Script for client-side JavaScript | src, type, async, defer | <script src="script.js"></script> |
| <meta> | Metadata about the HTML document | charset, name, content, http-equiv | <meta charset="UTF-8"> |
| <style> | Style definitions | type, media | <style>body { font-family: Arial; }</style> |
| <header> | Header section of a document or section | id, class, style | <header>Header content</header> |
| <footer> | Footer section of a document or section | id, class, style | <footer>Footer content</footer> |
| <nav> | Navigation links | id, class, style | <nav>Home</nav> |
| <section> | Section of a document | id, class, style | <section>Section content</section> |
| <article> | Independent piece of content | id, class, style | <article>Article content</article> |
| <aside> | Content indirectly related to the main content | id, class, style | <aside>Aside content</aside> |
| <main> | Main content of the document | id, class, style | <main>Main content</main> |
| <figure> | Figure with optional caption | id, class, style | <figure><figcaption>Caption</figcaption></figure> |
| <figcaption> | Caption for a <figure> element | id, class, style | <figcaption>Caption</figcaption> |
| <blockquote> | Block quotation | cite, id, class, style | <blockquote cite="https://example.com">Quote</blockquote> |
| <q> | Inline quotation | cite, id, class, style | <q cite="https://example.com">Quote</q> |

| Tag | Description | Common Attributes | Example |
|----------|--------------------------|-------------------|------------------------------|
| <code> | Inline code snippet | id, class, style | <code>inline code</code> |
| <pre> | Preformatted text | id, class, style | <pre>Preformatted text</pre> |
| | Emphasized text | id, class, style | Emphasized |
| | Strongly emphasized text | id, class, style | Strong |
| | Line break | id, class, style | |
| <hr> | Horizontal rule | id, class, style | <hr> |

More details are
shared onto the
program.

Refer to the QR code
on the other link
button to find out
more on the projects
done