In these learning materials, students will understand and explore the structure of HTML and embed CSS styles.

Activity Overview

The activity highlights the basic structure of HTML and how CSS transforms the layout structure of the webpage. The web design composes of three pages the homepage, the new normal page, and the policies page. Each web page is divided into several sections the top section or division is for the banner and login forms. The second section is for the navigation bar or sometimes it is called a menu bar, the user is able to switch pages. The final section is for the body or main content where each page has a different context for example the new normal page contains photos and videos.

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Photos and Videos

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Policies

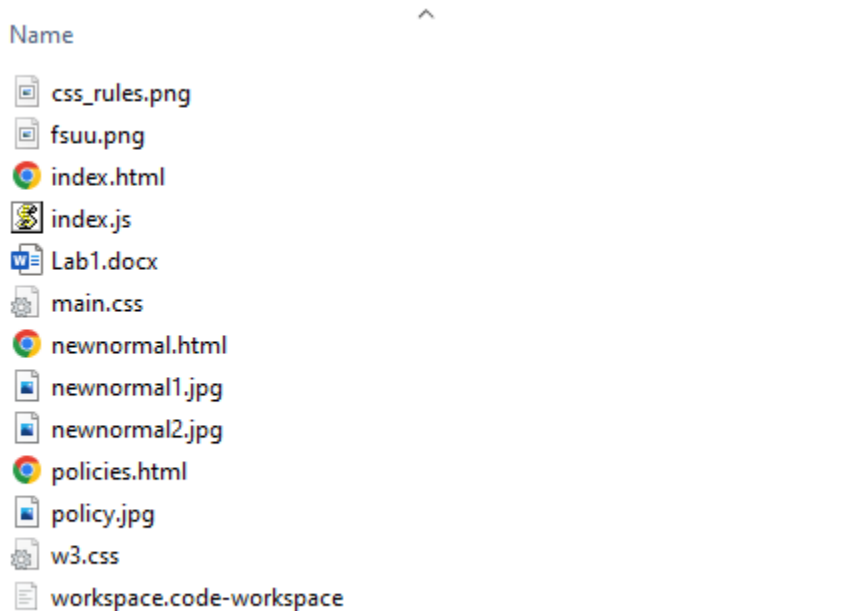Suspendisse ex nunc, auctor vitae augue ut, dignissim ven

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Learning Outcomes

- Create HTML page
  - Add header meta information
  - Add stylesheet links
  - Add elements
- Create CSS
  - CSS ruleset
  - Compare id and class
  - Identify the properties of an element
  - CSS selectors
  - CSS images and fonts

Download the lab.zip and extract it to your computer. The image below is the list of files inside the zip file.

Name

- css_rules.png
- fsuu.png
- index.html
- index.js
- Lab1.docx
- main.css
- newnormal.html
- newnormal1.jpg
- newnormal2.jpg
- policies.html
- policy.jpg
- w3.css
- workspace.code-workspace

Recommended software and other requirements

- Visual Studio Code Editor
- Chrome Web Browser
- Image Editor Tool
- Internet Connection
  - For HTML and CSS references
  - For Text Generator / ISPUM Lorem
  - For Image Generator / Lorem Picsum
  - Others
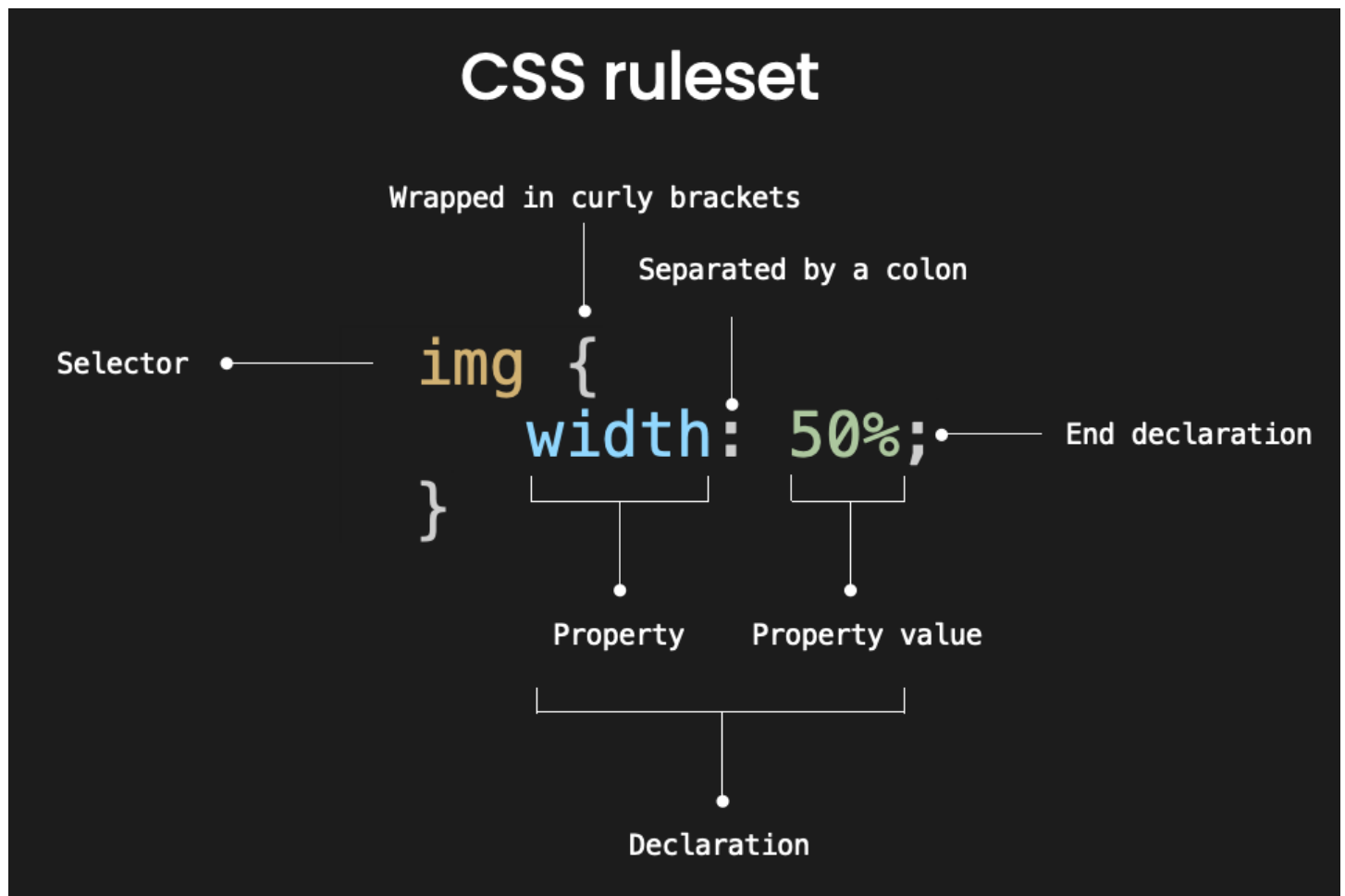
Activity Glossary of Terms

Emmet (formerly Zen Coding) is a set of plug-ins for text editors that allow for high-speed coding and editing in HTML, XML, XSLT, and other structured code formats via content assist.

Lorem Ipsum is simply dummy text of the printing and typesetting industry.

Lorem Picsum provides random or specific uploaded images as placeholders.
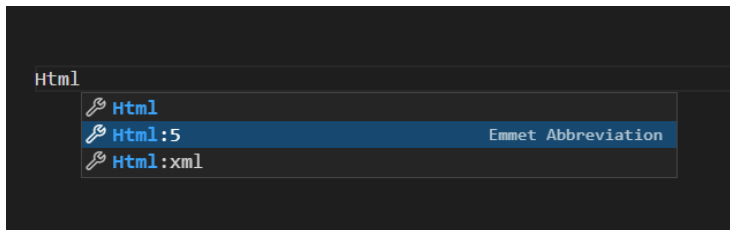
CSS RuleSet

Step-by-step

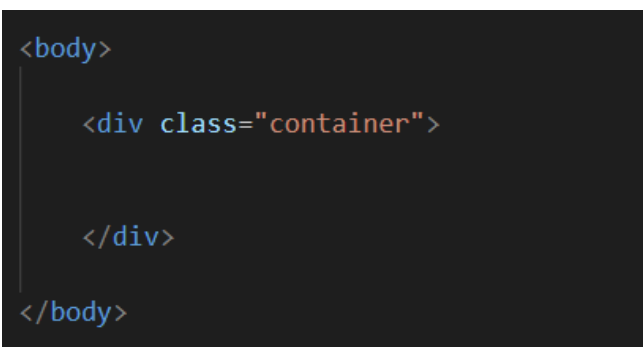1. Create a file, name **index.html** then add the following code blocks:

   Add an HTML5 template by typing the code shown below.

   ```
   Html
        Html
        Html:5                          Emmet Abbreviation
        Html:xml
   ```

   After clicking the highlighted code, the generated code is added to the page as shown below.

   ```html
   <!DOCTYPE html>
   <html lang="en">
   <head>
       <meta charset="UTF-8">
       <meta http-equiv="X-UA-Compatible" content="IE=edge">
       <meta name="viewport" content="width=device-width, initial-scale=1.0">
       <title>Document</title>
   </head>

       <body>


       </body>

   </html>
   ```

   Create a body container or the general purpose section. Any elements inside this section will have visually appeared on the page. A class name *container* is assigned to this div which will be used in further CSS manipulation on this division.

   ```html
   <body>

       <div class="container">


       </div>

   </body>
   ```

Add another div, and assigned a class name **header.** Add a "Weg page Logo" by adding an **img** HTML element.

```html
<div class="header">
    <img src="fsuu.png" alt="university_logo">

</div>
```

Add another div, and assigned a class name **header.** Add a "Login Form" by adding the following codes. The form consists of three HTML elements the label, input, and button with a method value of "POST". Don't worry about the functionality of the form at this moment soon will cover how forms will work.

```html
<div class="form-container">
    <form action="" method="post" >


            <label for="uname"><b>Username</b></label>
            <input type="text" name="uname">

            <label for="psw"><b>Password</b></label>
            <input type="password"  name="psw">

            <button type="submit">Login</button>
    </form>
</div>
```

Add another div, and assigned a class name **headerlinestrip.** This line of code will add separation from the top section to the navigation bar.

```html
<div class="headerlinestrip"></div>
```

Add another div, and assigned a class name *nav-bar.* Add a list of items under the elements of **UL (unordered list)** with a class name *nbar.* Each item adds a hyperlink as a reference to a page that the user can follow by clicking or tapping it.

```html
<div class="nav-bar">
    <ul class="nbar">
        <li><a href="index.html">Home</a></li>
        <li><a href="newnormal.html">New Normal</a></li>
        <li><a href="policies.html">Policies </a></li>
    </ul>
</div>
```

Finally, on this page add a div and assigned class name *body-container.* Any dynamic content will be placed in this section.

```html
<div class="body-container">

    <p class="bc-head-title">Nunc nulla ex, volutpat</p>

    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit

</div>
```

2. Create a file, name **newnormal.html** then add the following code blocks:

On this page, we only modify the dynamic content section. This page shows how the multimedia component will be put in place in the HTML.

I used the term *CARD* here to represent the individual images and their description.

CARD 1	CARD 2

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The image below shows the mark-up codes for adding cards in the section "body-container".

```html
<p class="bc-head-title">Photos and Videos</p>

<div class="card">
    <img src="newnormal1.jpg" alt="banner" />
    <p>Lorem ipsum dolor sit amet, consectetur adip:
</div>

<div class="card">
    <img src="newnormal2.jpg" alt="banner" />
    <p>laoreet nisl sem ac odio. Donec dignissim pr
</div>
```

3. Create a file, name **policies.html** then add the following code blocks:

On this page, we only modify the dynamic content section. This page shows how to change, from the default list type to the image list type.

The image below shows the mark-up codes for adding **image list style** in the section "body-container".

```html
<p class="bc-head-title">Policies</p>

<ul class="bc-policy-logo">
    <li><p>Suspendisse ex nunc, auctor vitae augue ut, dignissim
    <li><p>Mauris a ante vestibulum, rhoncus felis in, convallis
</ul>
```