# Tutorial 12

# Outline

1. **Assignment 2 check-in**
   a. Questions, concerns, more examples
2. **Assignment 2.1 overview**
3. **Review: CSS Grid Layout system**
   a. grid-template areas
   b. grid-template rows
   c. grid-template columns
4. **Putting together all the parts of a website**
   a. Create and link different pages to create a website
      i. Directory structure
5. **Individual activities**
   a. Create and link different pages to create a website

# Assignment 2 check-in

**Questions, concerns, more examples...**

**New example** @ A2L > MMEDIA2A06 > Assignments > Assignment 2 > sample.png

# Assignment 2.1 Overview

**Find the guidelines** @ A2L > MMEDIA2A06 > Assignments > Assignment 2.1

# Website layouts

A layout "is the placement or arrangement of visual elements — how they are organized on a page." (Duckett, 2011, p. 387).
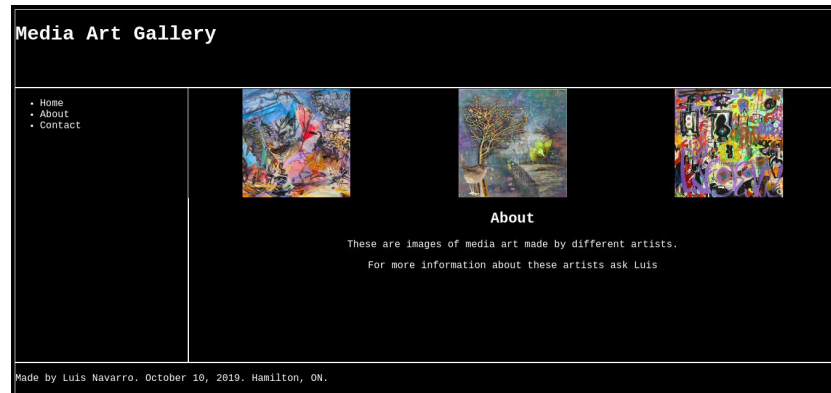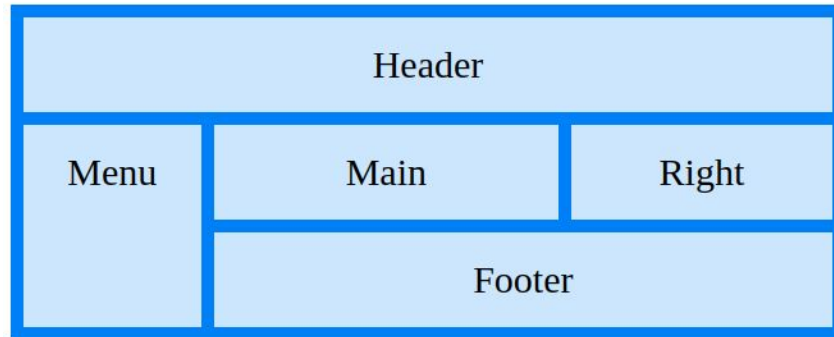
Layout examples:

https://soundsoftheuniverse.com/
https://www.sfmoma.org/
https://www.poulos.co/

# CSS layout: HTML <div></div> elements

This grid layout contains six columns and three rows:



1. To create **CSS layouts** you have to imagine every HTML **element** is inside a **box (also known as <div> element)**.

Ex.

<div class="header">
        <h1> Media Art Gallery </h1>
</div>

# CSS layout properties

2. Use the CSS layout properties to arrange the div boxes according to your design or composition. Like the following CSS code:

| | |
|---|---|
| `.item1 {`<br>`        grid-area: header;`<br>`}`<br>`.item2 {`<br>`        grid-area: menu;`<br>`}` | The grid-area assigns a name to a grid item. Named grid items can then be referenced to by the grid-template-areas property of the grid container. |
| `grid-container {`<br>`        display: grid;`<br>`        grid-template-rows: 10vh 80vh 10vh`<br>`        grid-template-areas:`<br>`        'header header '`<br>`        'menu content'`<br>`        'menu footer';`<br>`}` | The display property specifies the display behavior (the type of rendering box) of an element.<br><br>The grid-template-areas property specifies areas within the grid layout.<br><br>The grid-template-rows property specifies the number (and the heights) of the rows in a grid layout.<br><br>The grid-template-columns property specifies the number (and the widths) of columns in a grid layout. |

# Putting together all the parts of a website

1. **Create** **different pages of a website by either:**

    a.   Making a new webpage with the sections you need.

    **... Or**

    b.   Duplicating a webpage you have already created. And then:
        i.   Erasing the sections you don't need and keep the sections you do need.
        ii.  Creating new sections.
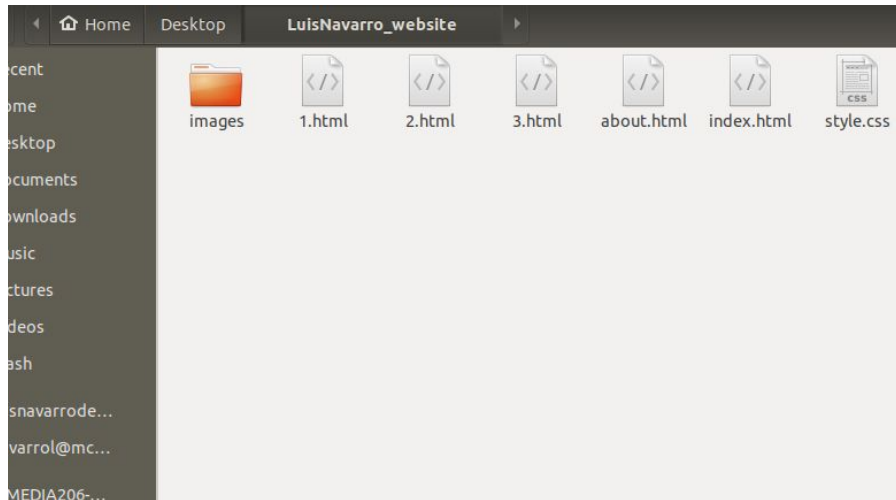
# Putting together all the parts of a website

2. **Link the different pages of a website:**

   a. Transform the **menu items** of your website into **links** with the <a> element. Like the following example:

   **<a href="biography.html"> biography <a>**

# Dealing with your website files

- "When you are working on a website locally on your computer, you should **keep all the related files in a single folder.**"

- **"This folder can live** anywhere you like, but you should put it somewhere where you can easily find it, **maybe on your Desktop, in your Home folder, or at the root of your hard drive."**

- "The most common things we'll have on any website project we create are an **index HTML file** and **folders to contain images, style files, and script files**."

(Source
https://developer.mozilla.org/en-US/docs/Learn/Getting _started_with_the_web/Dealing_with_files)

# Activity: *Create contact page and link different webpages*

**General Instructions**:

1) Follow the steps in the <u>following slides</u> to create a contact page.

2) Follow the steps in the <u>following slides</u> to link the home, biographies and contact pages.

3) Submit your final webpage to A2L.

**Part 1:** Create a contact page of a website:

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- Objectives:
  - Familiarize with the processes of creating additional pages for a website

1. Download the "ContactPage-activity" folder from A2L -> tutorial 12.

2. Create a copy of the "index.html" file inside of the "ContactPage-activity" folder. To do this do the following:

   + Right-click the index.html files, and select "Copy" from the popup menu.

   + Right-click inside the "ContactPage-activity" folder, and select "Paste items" from the popup menu..

3. Rename the copy of the "index.html" file with the name "contact.html". To do this do the following:

   + Right-click on the copy of the "index.html" file and choose the "Rename" option from the popup menu.

   + Type the new name "contact.html" and hit Enter

**Part 2:** Create a contact page of a website:

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- Objectives:
  - Familiarize with the processes of creating additional pages for a website

1. Setup TextEdit's preferences. Do the following:

   + In the TextEdit app  on your Mac choose TextEdit > Preferences.

   + Select "Plain text"

   + On the same screen, uncheck any box related to spelling correction.

   + Now, click "Open and Save", and select "Display HTML files as HTML code instead of formatted text."

2. Open the "contact.html" file in TextEdit (at this point TextEdit should only display the code, if it isn't, go back to step #1).

3. Delete the code you won't need for the contact page and keep the code you would need.

   + For example, keep the all the code referring to the header, the menu, and the footer, and erase the code referring to the "home-content".

**Part 3:** Create a contact page of a website:

- Objective:
  - Familiarize with the process of creating additional pages for a website

1. Make a new 'div' box with a class named "contact". Follow the next example:

    + &lt;div class = "contact"&gt;   &lt; /div&gt;

2. Create a text with your name and email address inside the div box. Follow the next example:

    + &lt;div class = "contact"&gt;

        &lt;p&gt; David Smith , smith@mcmaster.ca &lt;/p&gt;

      &lt; /div&gt;

3. Save your changes in TextEdit.

4. Visualize your changes by opening the "contact.html" in the browser.

# Part 4: link the home, biographies and contact pages.

- Objective:
  - Familiarize with linking multiple webpages

1. Locate the menu section inside the "contact.html" file in TextEdit.

2. Create a link for the menu items to their respective HTML documents. Follow the example below:

```
<ul >

        <a href= "index.html"> <li> Home </li> </a>

        <a href= "biographies.html"> <li> Bio </li> </a>

        <a href= "contact.html"> <li> Contact </li> </a>

</ul >
```

3. Visualize your changes by opening the "contact.html" in the browser.

# Part 5: link the home, biographies and contact pages.

- Objective:
  - 
    - Familiarize with linking multiple webpages

1. Open the "index.html" file and the "biography.htm" file in TextEdit and create links for the menu items of these pages, similarly to how you did in part 4.

2. Save your changes in TextEdit and visualize them in the browser.

3. Submit your work to A2L

# Additional resources

**Link different webpages**:

https://openclassrooms.com/en/courses/2479876-build-your-website-with-html5-and-css3/2490386-creating-links