

## WDD 231

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## W02 Assignment: Chamber Directory Page

The weekly chamber of commerce assignments are designed for **group collaboration**, however, each member of the group is responsible for their own chamber website.

### Overview

Begin the **Chamber of Commerce** project by starting with the **directory** page. Last week you selected a city or region to base your project upon and were introduced to the chamber project's purpose and scope. This assignment has you work on the site layout and specific requirements for the content of the chamber of commerce directory page.

### Instructions

#### Step 1: Review the Project Scope

- Review the chamber of commerce project [description](#).
- Review the chamber of commerce project [site planning document](#).

#### Step 2: File and Folder Setup

1. Add a new folder to your main **wdd231** directory named "**chamber**".

The **chamber** folder will contain all of the project's pages and assets. This subfolder is like its own, independent website.

2. In the new **chamber** subfolder, add a new file named "**directory.html**".
3. Add the common subfolders to the **chamber** folder to store and organize the images, CSS, and JavaScript.

#### Step 3: HTML

1. In your **directory.html** document, add the standard **head** and **meta** content with a valid **title**, **description**, and **author**.

2. Design and include a **favicon** for your chamber site.

3. Add FaceBook social media **meta** settings for the

title

description

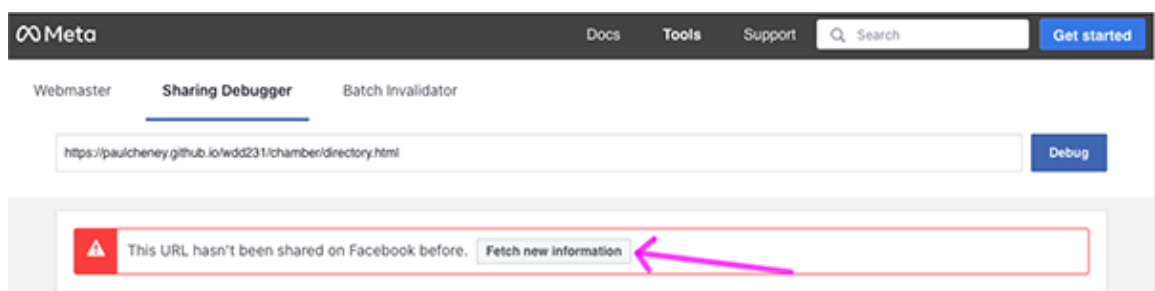
image

url

### ▼ Testing Social Media Meta Data

You can test the meta data on your page using the FaceBook Sharing Debugger tool. It allows you to see the information that is used when your website content is shared on Facebook, Messenger, and other places.

1. Navigate to the [FaceBook Sharing Debugger](#) tool.
2. Enter the URL of your page and click the **Debug** button.
3. If this is the first time, click the **Fetch New Information** that displays in a warning box.



4. Here is a link to an example [report](#). Notice at the bottom of the report the Open Graph properties that were found.
5. Notice the referenced image is located in the GitHub repository. If you link to an image from an external source, you may get your site blocked as malicious.

4. Use the [site plan](#) to create the required content and layout for the header, navigation, and footer. These items should be consistent between all the pages of the project. Do not include the body content from the example site plan for this assignment. It will be used when you create the landing page next week.
5. The footer is required to have contact information and some additional development information as shown in the [site plan wireframes](#). Include your full name, WDD 231, and the last modification date of the page which is generated automatically using JavaScript.

6. The main content of the directory page will display a list of members as a grid of 'cards' or as a line item list, depending upon the user's selection.

## Step 4: CSS

1. Style your page using your planned color scheme. Remember that the style will be used on all the pages of your chamber project. It is normal for you to make adjustments as you work on the project throughout the course.

The **directory** page is the first page of the project. It is important to get the layout and design correct before moving on to the other pages. The directory page will be used as a template for the other pages in the project.

2. Use a normalize or reset CSS. Be sure to link it **before** any other CSS file in the **head**.
3. Every page on the site must be **responsive** from 320px to wider views without any horizontal scrolling.
4. The responsive, main **navigation** menu must support the pages listed in the site plan.

You may **NOT** use a CSS framework like Bootstrap or Tailwind CSS for this project. All CSS must be your own creation.

## Step 5: JavaScript

1. Create a file named "**members.json**" and store it in a new folder named "**data**" in your existing **chamber** project folder.
2. Create an array of at least **seven (7)** companies where each entry includes the following fields

names

addresses

phone numbers

website URLs

image or icon file names

membership level (1=member, 2=silver, 3=gold)

other information you deem appropriate

The company information can be real or made up. The important thing is that you are able to create page information from a JSON data source.

- Using the JSON data source, display the member information on the page using the **fetch** method and **async/await** functionality.
- Let the user toggle between a "grid" type view of member cards or a simple, one-column list of members.

### Code Example: [User Layout View Selection](#)

A JavaScript code demonstration of toggling between a grid and list view.

Illustrative Example: [Screenshots of Directory Page](#)

- Using JavaScript, display the copyright year in the footer and the last modification date.

## Step 6: Testing

- Continuously check your work by rendering locally in your browser using the **Live Server** tool in VS Code.
- Use the browser's DevTools to check for JavaScript runtime errors in the console or click the red, error icon in the upper right corner of DevTools.
- Use DevTools [CSS Overview](#) to check the color contrast accessibility.
- Generate a [DevTools Lighthouse](#) report in the **Accessibility**, **Best Practices**, and **SEO** categories for both the **mobile** and **Desktop** views. Correct any issues found that are within your control.

It is best to test your page in a **Private** or **Incognito** browser window.

## Audit and Submission

- Commit your local repository and push or upload your work to your GitHub Pages enabled **wdd231** repository on GitHub.
- Use this ☒ [audit tool](#) to check some your page against the standards and some requirements.
- Share your URL to your group's channel and review your group member's submissions.
- Return to Canvas and submit your GitHub Pages enabled URL.

<https://your-github-username.github.io/wdd231/chamber/directory.html>

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