

# CMPS 350 Web Development Fundamentals

## Lab 3 – CSS Fundamentals

### Objective

By the end of the Lab, you should be able to:

- Add internal and external **CSS styles** to your HTML pages.
- Differentiate and use important CSS **selectors, properties, and values**.
- Style a web page including font, colors, and images.
- Use the box model to style **margins** and **padding**s
- Use the flexbox and media queries to develop responsive web page layouts.

### Overview

This Lab has 2 parts:

- **In Part A**, you will practice basic CSS selectors and declarations.
- **In PART B**, you will style pages to delivered desired layout and presentation.

First sync to CMPS 350 Lab repository using **GitHub Desktop** Client then copy Lab3-CSS folder to your **cmps350s22/repository**. At the end of the Lab sync your repo to push your work to GitHub.

### Part A - CSS Basics Tutorial

1. Create a new project and named CSS Basics under YourRepo\Lab3-CSS
2. Inside the new project create **styles.css** file under a subfolder named **styles**. You will be using this file to practice the following CSS features:

- a. [Linking style sheet to your HTML page](#) (Internal Stylesheet, External Stylesheet, Cascading Order, ~~Inline~~)

Complete the four exercises at the following link

[https://www.w3schools.com/css/exercise.asp?filename=exercise\\_howto1](https://www.w3schools.com/css/exercise.asp?filename=exercise_howto1)

- b. [CSS-Syntax](#) [selector {property : value}]

Complete the four exercises at the following link

[https://www.w3schools.com/css/exercise.asp?filename=exercise\\_selector\\_s1](https://www.w3schools.com/css/exercise.asp?filename=exercise_selector_s1)

- c. [Border, Margins, Padding and the box model](#)

Complete the four exercise at the following link

[https://www.w3schools.com/css/exercise.asp?filename=exercise\\_border1](https://www.w3schools.com/css/exercise.asp?filename=exercise_border1)

d. [Text styling](#)

Complete the four exercise at the following link

[https://www.w3schools.com/css/exercise.asp?filename=exercise\\_text1](https://www.w3schools.com/css/exercise.asp?filename=exercise_text1)

e. [Pseudo Classes](#) [a: link, visited, hover, focus, active]

Complete the four exercise at the following link

[https://www.w3schools.com/css/exercise.asp?filename=exercise\\_text1](https://www.w3schools.com/css/exercise.asp?filename=exercise_text1)

f. [Background](#) [attachment, color, image, position, repeat]

Complete the four exercise at the following link

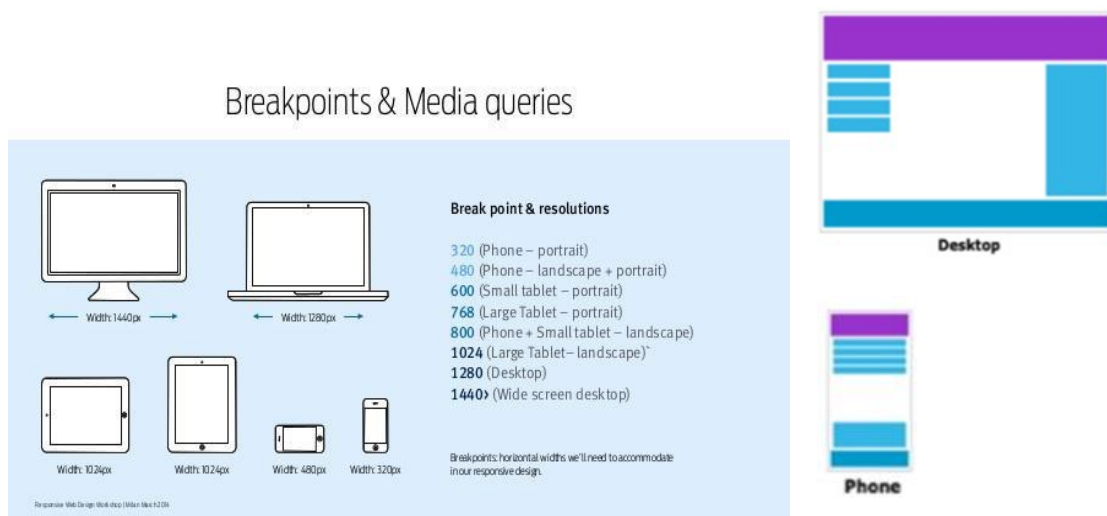
[https://www.w3schools.com/css/exercise.asp?filename=exercise\\_backg\\_round1](https://www.w3schools.com/css/exercise.asp?filename=exercise_backg_round1)

g. Font Awesome [https://www.w3schools.com/icons/fontawesome\\_icons\\_text.asp](https://www.w3schools.com/icons/fontawesome_icons_text.asp)

h. Flexbox <https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

Play this game -> <https://flexboxfroggy.com>

i. [Media Queries](#)



You can use the following links to further practice

- <https://www.w3schools.com/css/default.asp>
- <https://htmlcheatsheet.com/css/>

## Part B – Page Layout

You are given the HTML code for the below webpages

1. Open the **Lab3-CSS/Page-Layout** folder using **Webstorm**.
2. The folder contains two files [**index.html**, **contact-us.html**]
3. Style index.html to deliver a layout and presentation like the image below.
  - Use media queries to make the webpage responsive by providing 2 columns, 3 columns and 4 columns layouts based on the screen size.



Figure 1 : Smaller screen

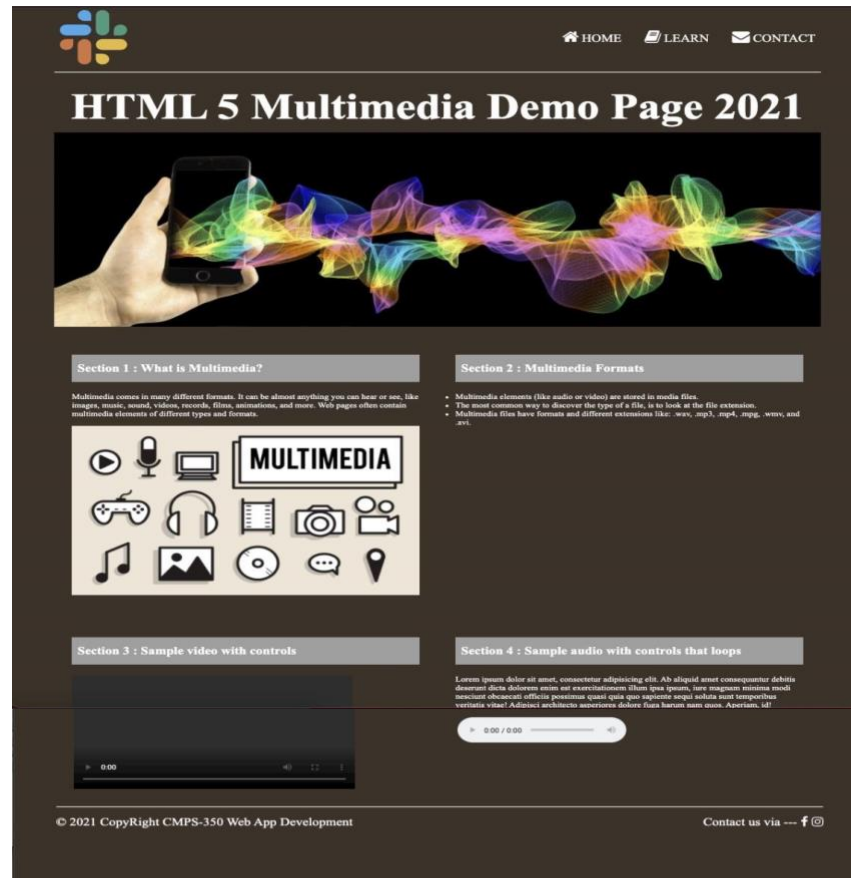


Figure 2 : tablets (mid-size) screens

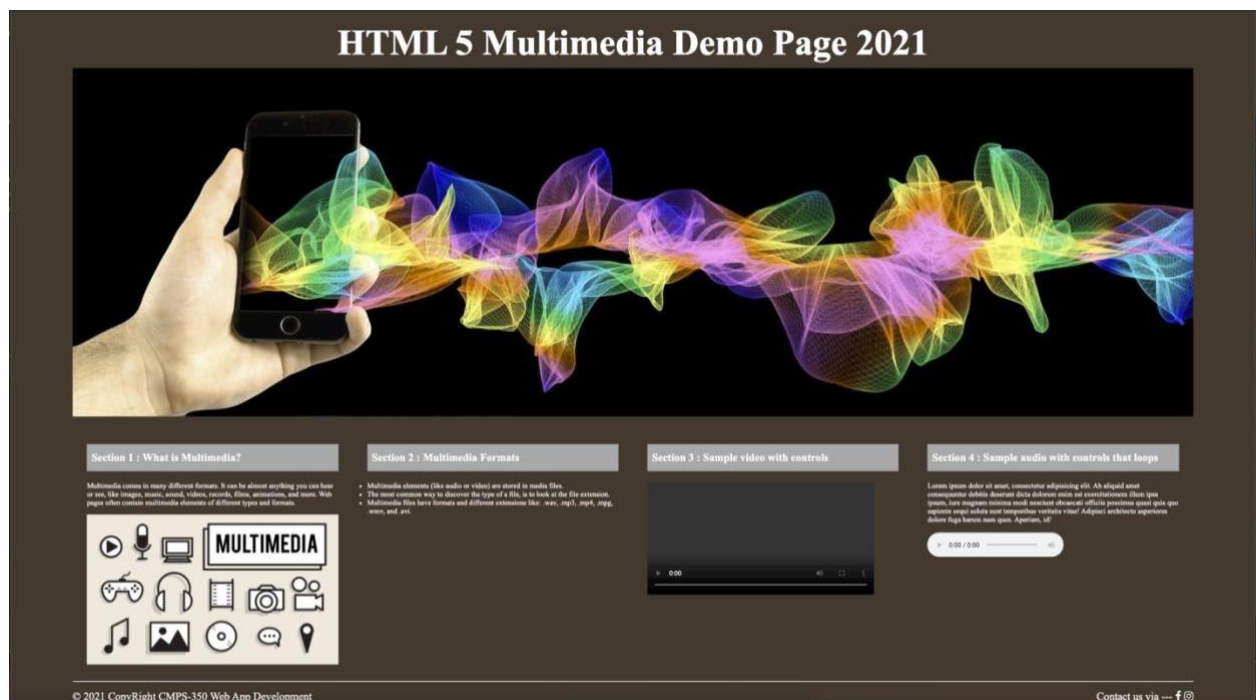


Figure 3 : Larger Screens

4. Style **the contact-us** form as follows. You should create a separate stylesheet for the contact us form.

## Contact Us

We will do our best to get back to you as soon as we can

Fill this form

**FULL NAME**  
Enter your full name

**PHONE NUMBER**  
+974-000-00-0000

**EMAIL**  
your-email@example.com

**GENDER:** ☐ MALE ☒ FEMALE

**DATE OF BIRTH**

**PREFERRED METHOD OF CONTACT:** ☐ PHONE ☒ EMAIL

**HOW DO YOU RATE OUR WEBSITE?**  
Very Good

**MESSAGE**  
Leave your message

SUBMIT

RESET