

CMPS 350 Web App 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**.
- ✓ Use colours and images to style your pages.
- ✓ Explain and use the box model to style **margins** and **padding**s
- ✓ Use the grid layout and media queries and develop responsive web page layouts and forms.

Overview

This lab has 4 parts:

- **In Part A**, you will use vanilla CSS to style elements on a web page.
- **In PART B**, you develop a complete website using the concepts that you practiced in part A

First sync your **cmcs350s21/repository** using **GitHub Desktop** Client. Create a subfolder named **“Lab2-CSS”** inside the local working folder of your repository. You need to place your work in **Lab2-CSS** folder. At the end of the Lab, complete the testing document then sync your repo to push your work to GitHub.

Part A – Basic CSS -Tutorial

1. Get the Lab2-CSS folder from the course github repo and copy it to your private repository
2. Open the **Lab2-CSS/Project** folder using **Webstorm**.
3. The folder contains a two files [**index.html**, **grid.html**]
4. Create styles.css file under a folder named “css” inside Lab2-CSS folder. We will be using these files to practice the following concepts
 - a. Linking style sheet to your html page (Internal Stylesheet, External Stylesheet, Cascading Order ,Inline)
https://www.w3schools.com/css/css_howto.asp

➔ **Exercise : Complete the four exercise in the following link**

https://www.w3schools.com/css/exercise.asp?filename=exercise_howto1

- b. CSS-Syntax [selector {Property : value}]

https://www.w3schools.com/css/css_syntax.asp

➔ **Exercise : Complete the four exercise in the following link**

https://www.w3schools.com/css/exercise.asp?filename=exercise_syntax1

- c. Border, Margins , Padding and the box model

https://www.w3schools.com/css/css_border.asp

➔ **Exercise : Complete the four exercise in the following link**

https://www.w3schools.com/css/exercise.asp?filename=exercise_border1

- d. Text styling https://www.w3schools.com/css/css_text.asp

➔ **Exercise : Complete the four exercise in the following link**

https://www.w3schools.com/css/exercise.asp?filename=exercise_text1

- e. Pseudo Classes [a: link , visited , hover , focus , active]

https://www.w3schools.com/css/css_pseudo_classes.asp

➔ **Exercise : Complete the four exercise in the following link**

https://www.w3schools.com/css/exercise.asp?filename=exercise_text1

- f. Background [attachment , color , image , position , repeat]

https://www.w3schools.com/css/css_background.asp

➔ **Exercise : Complete the four exercise in the following link**

https://www.w3schools.com/css/exercise.asp?filename=exercise_background1

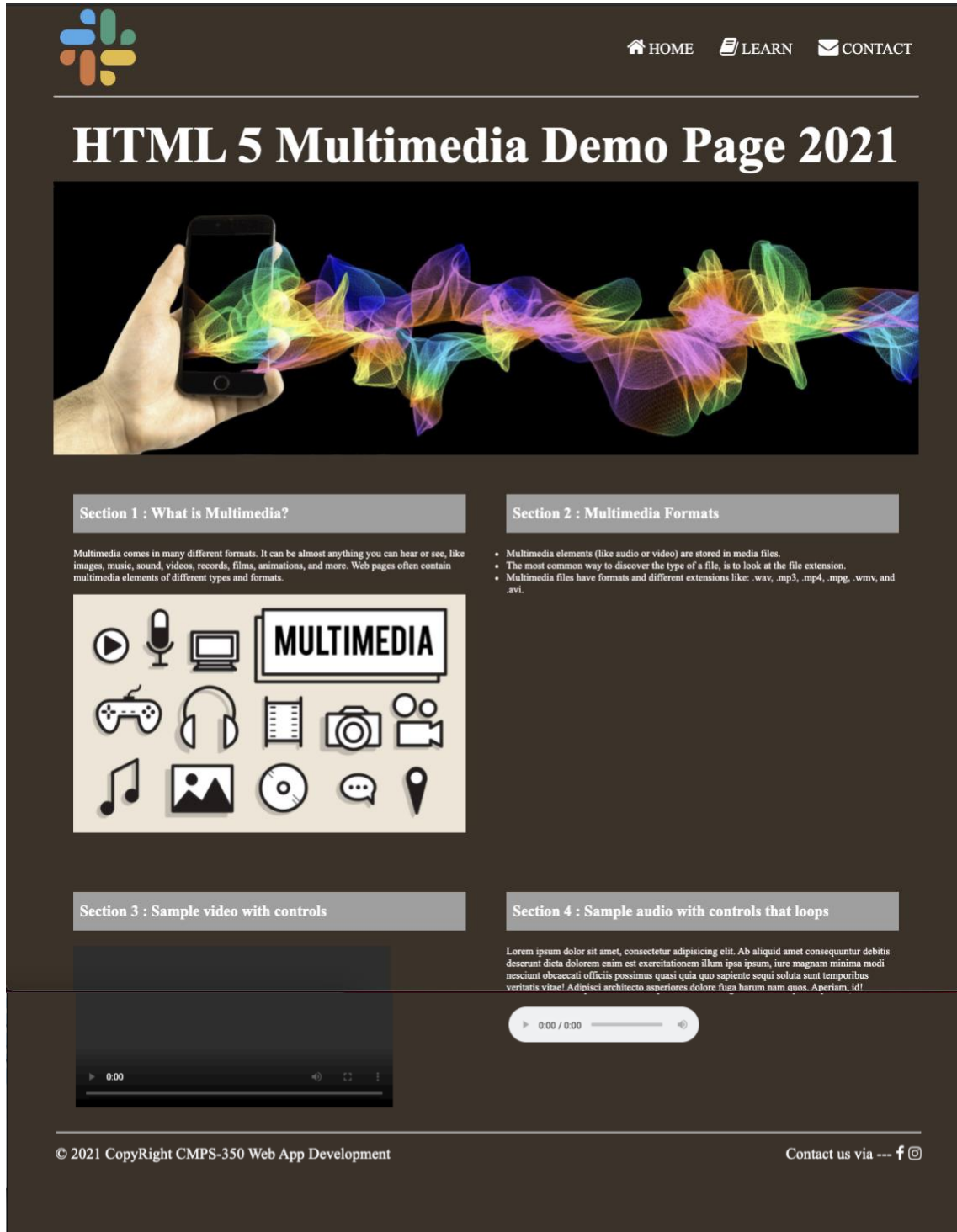
You can use the following links to further practice

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

➔ <https://htmlcheatsheet.com/css/>

Part B – Practice

You will be given the HTML code for the below webpages. Your task is to style according to the figures shown below.



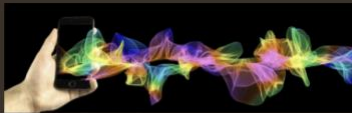


HOME

LEARN

CONTACT

HTML 5 Multimedia Demo Page 2021



Section 1 : What is Multimedia?

Multimedia comes in many different formats. It can be almost anything you can hear or see, like images, music, sound, videos, records, films, animations, and more. Web pages often contain multimedia elements of different types and formats.



Section 1 : What is Multimedia?

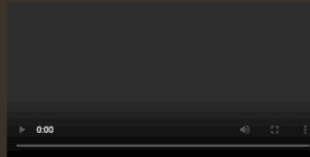
Multimedia comes in many different formats. It can be almost anything you can hear or see, like images, music, sound, videos, records, films, animations, and more. Web pages often contain multimedia elements of different types and formats.



Section 2 : Multimedia Formats

- Multimedia elements (like audio or video) are stored in media files.
- The most common way to discover the type of a file, is to look at the file extension.
- Multimedia files have formats and different extensions like: .wav, .mp3, .mp4, .mpeg, .wmv, and .avi.

Section 3 : Sample video with controls



Section 4 : Sample audio with controls that loops

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ab aliquam amet consequuntur debitis deserunt dicta dolorem enim est exercitationem illum ipsa ipsum, ture marquam minima modi nesciunt obcaecati officia possimus

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-####-##-####

EMAIL

your-email@example.com

GENDER: MALE ☒ FEMALE ☐

DATE OF BIRTH mm/dd/yyyy



PREFERRED METHOD OF CONTACT: PHONE ☐ EMAIL ☐

HOW DO YOU RATE OUR WEBSITE?

Very Good



MESSAGE

Leave your message

SUBMIT

RESET