

CMPS 350 Web Development Fundamentals

Lab 2 – HTML Multimedia & Forms

Objective

Learn and practice how to write:

1. HTML 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.
2. HTML Forms: HTML Forms are used to collect some data from the user. For example, during user registration a form can be used to collect user details such as name, email address, phone number etc.

Overview

This lab has two parts.

- **In Part A**, we will design together two HTML pages which demonstrates the basic HTML multimedia tags and form elements.
- **In PART B**, you will design two more page that has an HTML form and Multimedia elements.

After you complete your work you will push it to your cmps356s21 GitHub repository under a folder named “**Lab2-HTML Forms and Multimedia**”.

Preparation

1. If not done already, visit <https://github.com/cmps350s21> and clone your private repository (named Lab-YourFirstname-QuUsername).
2. Save the files produced in this Lab under the folder named Lab2-HTML Multimedia and Forms
3. As you progress the Lab push your work to your Github Repository under the folder Lab2-HTML Multimedia and Forms

Part A – HTML Multimedia and Forms -Warmup activities

1. Create an html file and name it index.html and type the following code.

```
<html>f
  <head>
    <Title>The First Page</title>
  </head>
  <body>
    This is my first html program!
  </body>
</html>
```

2. Open the following website and explore basic HTML tags for creating video, audio and images <https://www.w3schools.com/html/default.asp>

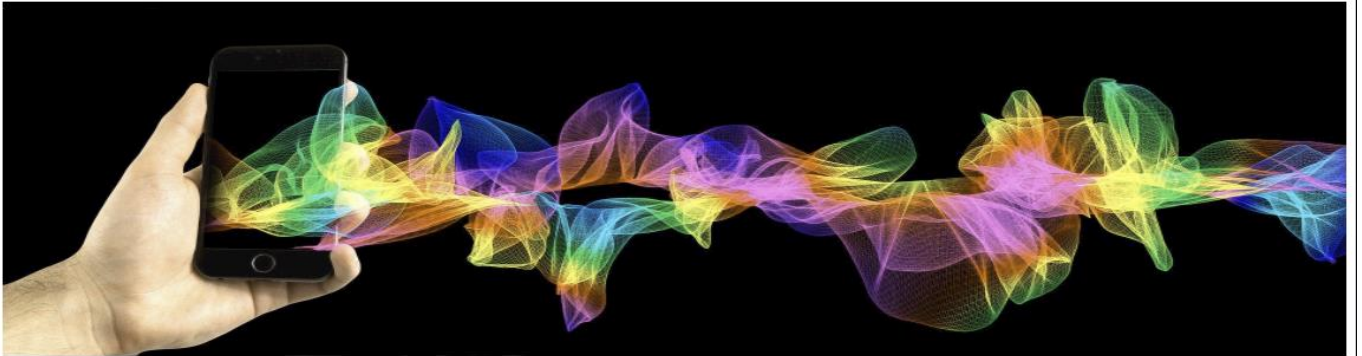
Exercise 1 – HTML Multimedia

Create the following page shown in figure 1.

You can download all the media you want for free from the following website

<https://pixabay.com>

HTML 5 Multimedia Demo Page 2021



[Home](#) [Contact Us](#)


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, .mpg, .wmv, and .avi.

Sample video with controls



Sample audio with controls that loops



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Figure 1 : Multimedia demo page

Exercise 2. HTML Forms

1. Create a file named contact-us.html.
2. Design a form that looks like the following form shown below in figure 2.
3. You should not allow any of the field to be submitted unless they have a value and they meet the requirement.

Contact Us

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

Fill this form

Full Name

!

Please fill out this field.

Phone Number

Email

Gender: Male ☐ Female ☒

Date Of Birth

January 2021

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Today

Preferred Method of Contact: Phone ☒ Email ☒

How do you rate our website?

Good

▼

Excellent

Very Good

✓ Good

Poor

Message

Leave your message

Submit

Reset

Figure 2 : Contact-us form

PART B

Practice Exercise

Create a project called **Qatar-University** and add the following two html pages.

- a) index.html
- b) registration.html

The design of the pages are shown below.

- a) The **index.html** should look as like the page shown in figure 3 .

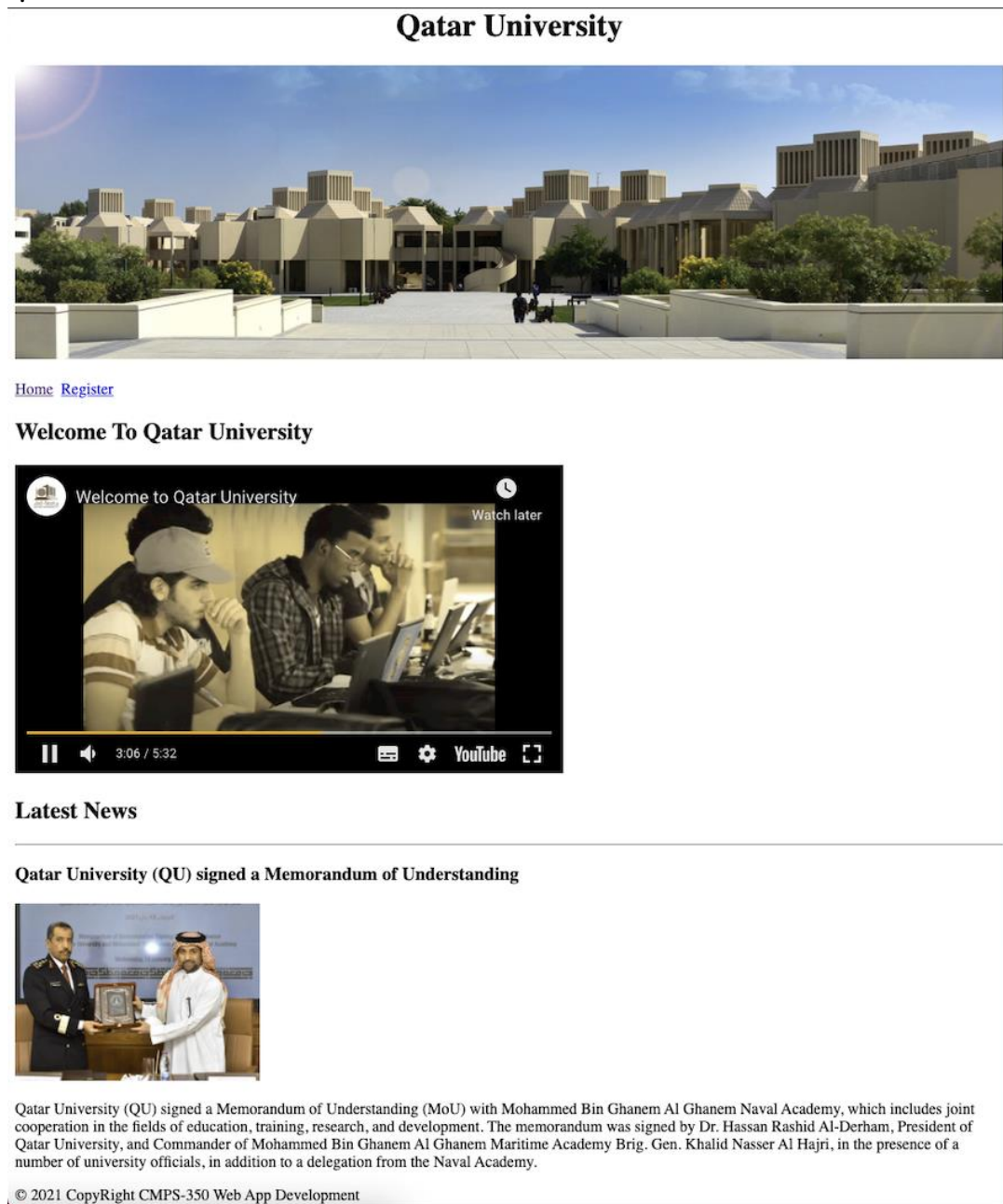


Figure 3 : home page

- b) Inside the **registration.html** page create the following form. Make sure all the fields are validated.

Note : For any of the form elements that you don't know refer to the w3-school page https://www.w3schools.com/html/html_forms.asp

Personal Information

First name: → Required. Max size 50.

Last name: → Required. Max size 50.

Date of Birth:

Weight: 1 300 Selected Value: 1

Gender: ☐ Male ☒ Female

No. of Siblings: (0 to 15) → Type=number, step=1

Employment:

Government

Administrative

Technical

Private Sector

Owner

Employee

Other

 → Allows multiple selections. Use optiongroups

Contact Information

Email: Phone: ↓

Preferred Contact Methods:

☐ By Phone

☐ By Email

☐ By Mailing Address → Use the right input type for all fields.

Address information

Address:

City: → Provides a list of most common cities: Doha, AlWakra, AlKhore.

Country: ▼

Submit Reset

Three countries ONLY. Qatar, Kuwait, and Bahrain. Single selection.

Figure 4 Registration page

After you complete the lab push it to your github account under Lab 2