# INFO 2302 Web Technologies

# Multimedia and Embedding

# Class Exercise 3

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## Exercise 3.1: Understanding Google Material Symbols icons (10 minutes)

Instructions: Search for internet resources to find answers to the following questions.

1. What are Google Material Symbols Icons?

Google Material Symbols Icons are a collection of scalable vector icons designed by Google following their Material Design guidelines.

1. What is the Apache 2.0 License?

The Apache 2.0 License allows us to:

 Use the software for commercial purposes

 Modify the software and create derivative works

 Distribute copies of the original or modified software

 Sublicense the code The main requirements include the original copyright notice and stating significant changes made.

## Exercise 3.2: Understanding stock photos (20 minutes)

Instructions: Search for internet resources to find answers to the following questions.

1. What are stock photos?

Stock photos are pre-shot, professionally taken photographs that are licensed for specific uses. They can be purchased or obtained for free from stock photo websites.

1. What is the meaning of these stock photo licenses?
   1. Royalty Free

Pay once, use many times without additional fees

* 1. Creative Commons Zero (CC0)

Complete waiver of copyright, can be used for any purpose without attribution

* 1. CC BY

Must give credit to original creator

* 1. CC BY-SA

Must give credit and share under same license

* 1. CC BY-NC

Must give credit and cannot use commercially

* 1. CC BY-ND

Must give credit and cannot make derivatives

* 1. CC BY-NC-SA

Must give credit, non-commercial use only, share under same license

* 1. CC BY-NC-ND

Must give credit, non-commercial use only, no derivatives

1. Give ONE (1) example of a website that shares royalty-free images.

Shutterstock

1. Give ONE (1) example of a website that shares images under the CC0 license.

Pixabay

## Exercise 3.3: Embedding a Google Material Symbols icon (10 minutes)

Instructions: Based on the following steps, update your one-page-recipe.html file from Class Exercise 2.

1. Go to the Google Material Symbols icon [**https://fonts.google.com/icons**](https://fonts.google.com/icons)
2. At the search bar, type **bread.**
3. Download a suitable bread icon to replace the existing baseline\_dining\_black\_48dp.png icon in your one-page-recipe.html
4. Update your one-page website with the new bread icon.

## Exercise 3.4: Embedding a stock photo (10 minutes)

Instructions: Based on the following steps, update your one-page-recipe.html file from Class Exercise 2.

1. Go to **pexels.com**.
2. At the search bar, type **Simple Bread**.
3. Download a suitable photo for your one-page Simple Bread Recipe website.
4. Embed the photo on your one-page website under the Simple Bread Recipe heading.
5. Give suitable **alt**, **width,** and **height** attribute values for the HTML <img> tag.

## Exercise 3.5: Embedding a YouTube video (5 minutes)

Instructions: Based on the following steps, update your one-page-recipe.html file from Class Exercise 2.

1. Go to YouTube.
2. At the search bar, type **Simple Bread Recipe**.
3. Choose a suitable YouTube video to show the cooking steps for your one-page Simple Bread Recipe website.
4. Click on the Share button, then click on Embed.
5. Copy the <iframe> code and embed the YouTube video in the Cooking Steps section.