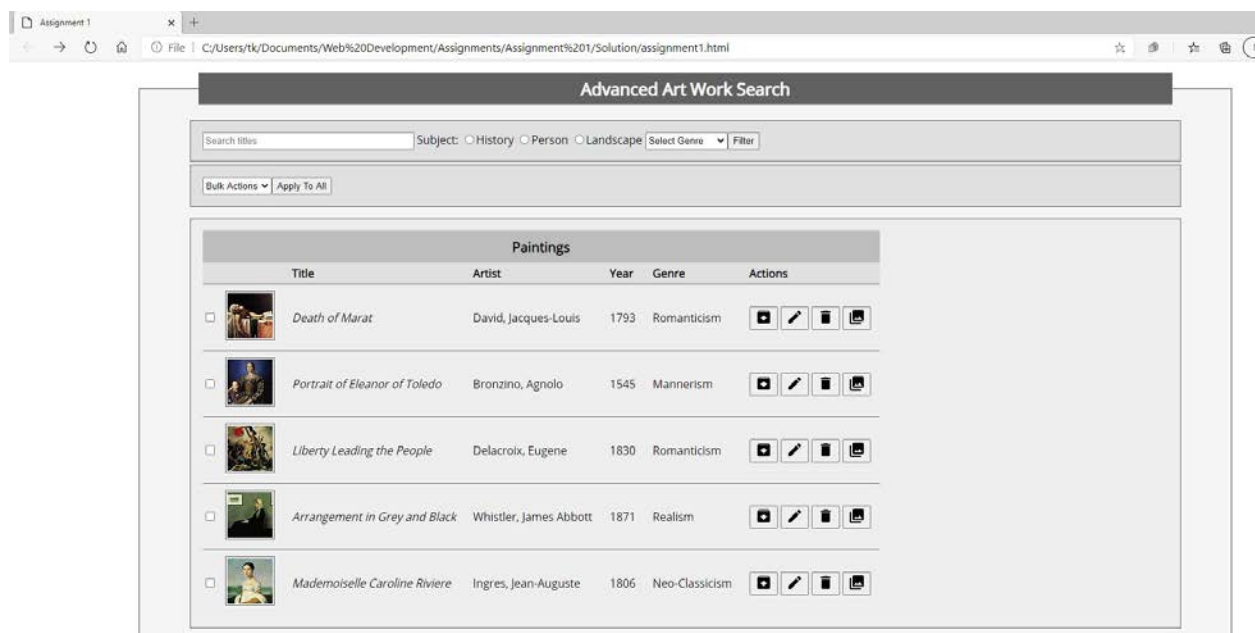# SYSC 4504: Fundamentals of Web Development Programming Assignment 1: Tables and Forms Due: October 15, noon

Assignment Description

This term, we will use the end-of-chapter projects for the programming assignment part. For each assignment, I will provide you with some initial code that you will have to extend/modify. In this assignment, start with the files provided in the accompanying ZIP folder on `cuLearn`. Change the HTML markup and CSS styling so that `assignment1.html`, when displayed in a browser, looks as much as possible like the image below (here displayed with Edge).

The required markup should all go into `assignment1.html`, the necessary styling instructions should be contained within `assignment1.css` (which gets loaded by `assignment1.html`). Design your solution based on the following guidelines:

- The form at the top of this page consists of a text box, a list of radio button, and two drop-down lists. For the Genre list, make the other choices "Baroque", "Renaissance", and "Realism". For the Bulk Actions list, make the other choices "Archive", "Edit", "Delete", and "Collection". The drop-down list items should have numeric values starting with 0. Notice the placeholder text in the search box.
- Create a table of paintings as shown in the screenshot. Be sure to make the table properly accessible.
- The checkboxes in the table should be an array of elements, for example `<input type="checkbox" name="index[]" value="10" />`. The name and values are arbitrary, but each checkbox needs to have a unique value.
- The action buttons in each row are a series of `<button>` containers with a dummy link and an image within the button.

- Set the form's method attribute to `GET` and its action attribute to `http://kunz-pc.sce.carleton.ca/sysc4504/process.php`. Both the `Filter` and the `Apply to All` buttons are submit buttons.
- While some of the styling has been provided, you will have to add some additional CSS styling.

Test your design by submitting it (i.e., clicking on either `Filter` or `Apply to All`). For example, in the sample solution, assume the user entered the following information:

Once the user submits this form, the `process.php` page will produce the following output:

Form Input

GET Data

search=Fundamentals of Web Development
subject=2
filter=1
actions=4

Notice: Array to string conversion in **D:\WebRoot\sysc4504\process.php** on line **19**
index=Array
--Index 0 Selected value=10
--Index 1 Selected value=30

POST Data

There are no POST variables

Submission Requirements

Submit your assignment using `cuLearn`, under `Assignment 1 Submission` for the course. You should submit exactly two files: a single HTML document, which you should call `assignment1.html` and one CSS file, called `assignment1.css`. Once the TA loads the HTML document with a web browser, he/she should be able to test that you correctly performed all tasks.

Marks will be based on:

- Completeness of your submission
- Correct solution to the problem
- Adhering to the submission requirements

The due date is based on the time of the `cuLearn` server and will be strictly enforced. If you are concerned about missing the deadline: multiple submissions are allowed. So you can always submit a (partial) solution early, and resubmit an improved solution later. This way, you will reduce the risk of running late, for whatever reason (slow computers/networks, unsynchronized clocks, failure of the Internet connection at home, etc.).

In `cuLearn`, you can manage the submission until the deadline, taking it back, deleting/adding files, etc, and resubmitting it. The system also provides online feedback whether you submitted something for an assignment. It may take a while to learn the submission process, so I would encourage you to experiment with it early and contact the TA in case you have problems, as only assignments properly and timely submitted will be marked and will earn you assignment credits.