Objective

This assignment is intended to demonstrate your knowledge of HTML and CSS (JavaScript should not be used and is not required). You will manage the design of HTML files and learn how to control the display of HTML elements using CSS, in addition to learning HTML forms. Refer to the section on Task and Requirements for additional information on this assignment.

Preparation

Canvas hosts a ***start.zip*** file that contains the necessary startup files for this assignment. Before beginning the assignment, please download start.zip and navigate through the folders to determine which pre-assignment files are included.

Task & Requirements

You must submit valid and semantically appropriate HTML5.

You need to create the **two HTML web pages** shown on pages 2 and 3 of this handout, respectively, in addition to a **CSS file**. This CSS file allows you to control and manage the display of HTML elements. You will be supplied with the necessary images (Canvas → Assignments → Assignment 1 → ***start.zip***). You must use CSS for formatting; however, other than some floats, CSS positioning will not be necessary. The **pages you implement do not need to be an exact match** to the mockups provided on the following pages; however, they should be **as close as possible** and look the same in the major browsers.

Technical Notes:

- The two link menus must be lists with different hover behavior.
- For dummy links, make destination URL "#".
- Both HTML pages **must** use the same single **external** CSS file.

Demo

- You will find a short recorded video that demonstrates the expectations of the layout and design for this assignment (Canvas → Assignments → Assignment 1).

Deliverable (upload to Canvas → Assignments → Assignment 1) the following files:

Place your assignment in a folder with the name ***assign1_username*** (for example, assign1_ealmasri). Place all materials used and/or required to evaluate the assignment in this folder, including CSS file and images. Compress your folder into a zip file (for example, ***assign1_ealmasri.zip***) and upload it to Canvas (Assignments Assignment 1) as a compressed file.)

□	**assign1_username.zip** containing pageOne.html, pageTwo.html, CSS and all other required files.

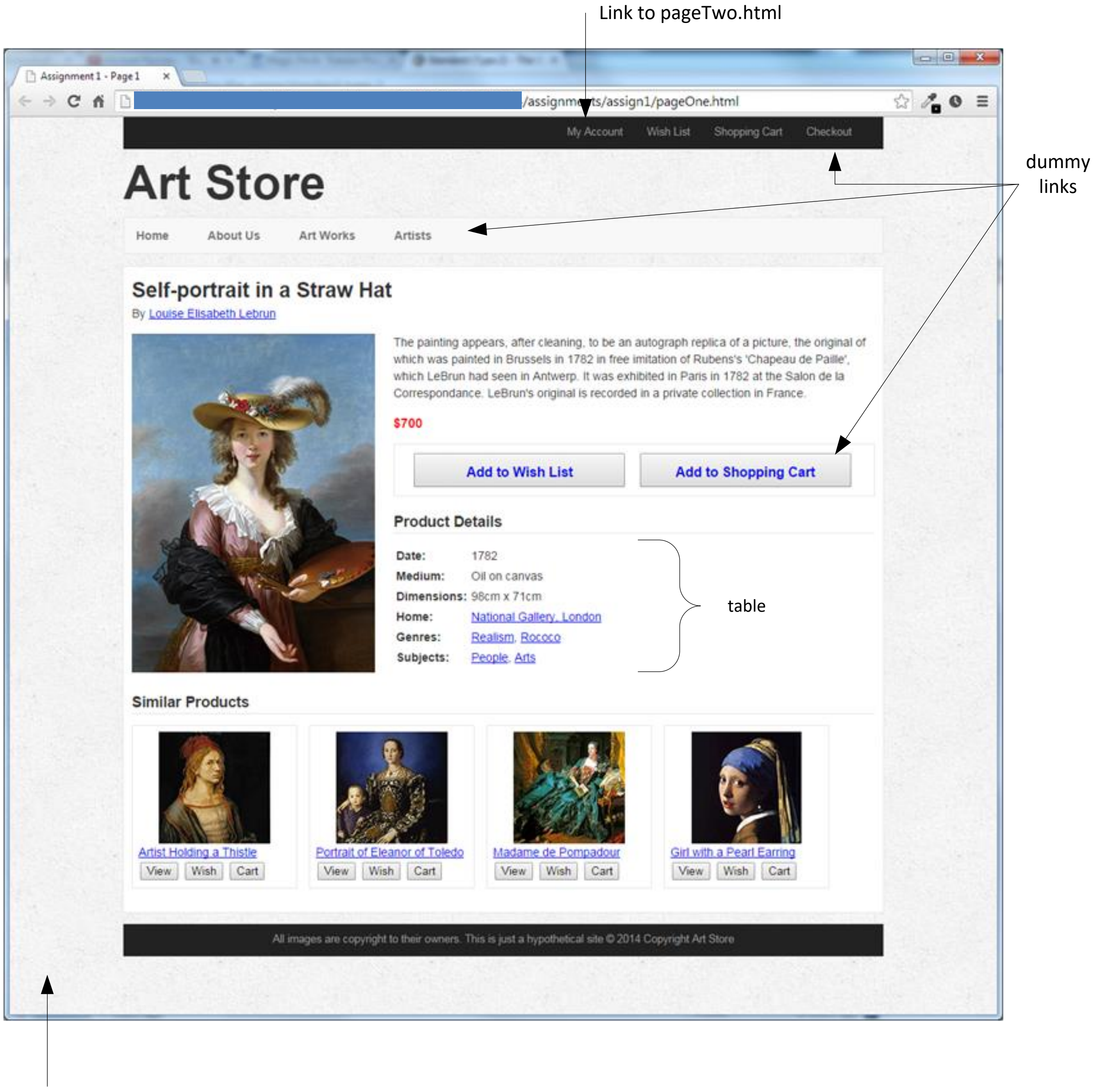
Grading Rubric *(10 marks)*

□	**pageOne.html** - [3 marks] correct output (design and layout are similar to or very close to the provided mockup) - [2 marks] use of CSS floats for side-by-side layout **pageTwo.html** - [1 mark] correct output (design and layout closely resemble the provided mockup) - [1 mark] at least three form handling validation implemented - [2 marks] form functions as expected (submits to the correct URL and all elements correctly mapped) **Cascading style sheet (.css file)** - [1 mark] CSS implementation for assignment 1 as an external file with expected/proper design/layout

Page One

You are required to create a HTML file that resembles the snapshot and layout below as closely as possible.

1. This HTML file **must** be named **pageOne.html**.
2. It **must** use CSS floats to implement the side-by-side layouts



Link to pageTwo.html

Assignment 1 - Page 1

[redacted]/assignments/assign1/pageOne.html

My Account Wish List Shopping Cart Checkout

dummy links

Art Store

Home About Us Art Works Artists

Self-portrait in a Straw Hat

By Louise Elisabeth Lebrun

The painting appears, after cleaning, to be an autograph replica of a picture, the original of which was painted in Brussels in 1782 in free imitation of Rubens's 'Chapeau de Paille', which LeBrun had seen in Antwerp. It was exhibited in Paris in 1782 at the Salon de la Correspondance. LeBrun's original is recorded in a private collection in France.

$700

Add to Wish List Add to Shopping Cart

Product Details

Date:	1782
Medium:	Oil on canvas
Dimensions:	98cm x 71cm
Home:	National Gallery, London
Genres:	Realism, Rococo
Subjects:	People, Arts

table

Similar Products

Artist Holding a Thistle View Wish Cart

Portrait of Eleanor of Toledo View Wish Cart

Madame de Pompadour View Wish Cart

Girl with a Pearl Earring View Wish Cart

All images are copyright to their owners. This is just a hypothetical site © 2014 Copyright Art Store

Image background => assign1\images\stucco\stucco.png)

Page Two

You are required to create a HTML file that contains a form which allows end users to send data collected from the form element to a destination endpoint (i.e., URL).

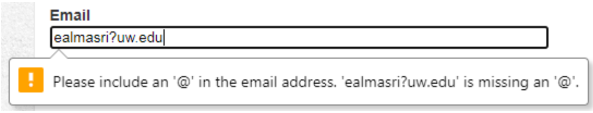
1. This file must be named pageTwo.html.
2. It must use a table to layout the form elements.
3. This page uses a form for submitting form elements to a destination URL (or action). You are not required to create the action (e.g., handler) that handles the submission of the form. A form action has **already been developed in PHP** for handling incoming requests that use the destination URL. Hence, the form must use http://faculty.washington.edu/ealmasri/assign1.php as its **action**. To be able to map your form elements to those handled by the action, be sure to **name** the **form elements** as shown in the mockup below. For simplicity, the action expects the attribute names that appear in the mockup on the next page (e.g., *first*, *last*, *email*, etc.).
4. Use the correct form element types. Remember that some of the HTML5 elements look different in different browsers. (The screen captures are from Chrome).
5. Your form must use at ***least three different*** HTML5 built-in validation form handling rules with displaying appropriate messages preventing users from submitting the form without filling/selecting form fields with acceptable input values.
   Please visit the following URL for more information on HTML5 input validation from Mozilla.org: https://developer.mozilla.org/en-US/docs/Learn/Forms/Form_validation.

What is HTML5 form validation?

Forms are web page component that uses form controls such as text fields, drop down menus, range controls, color pickers, among many others. Users can interact with the form through these controls providing data that can then be processed on the web server when a form is submitted. Validating users' entries through these form elements (e.g. submitting non-null values for a password text field) can be done through the browser prior to the data is transmitted to the web server. JavaScript has extensive support for form validation in HTML. Yet, W3C introduced client-side validation in HTML5 that does not require server-side scripting nor JavaScript.

Here are few sample examples:

Preventing users from entering invalid email format:

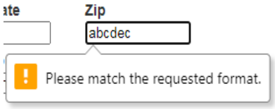


Email

ealmasri?uw.edu

Please include an '@' in the email address. 'ealmasri?uw.edu' is missing an '@'.

Preventing users from entering invalid zip code format



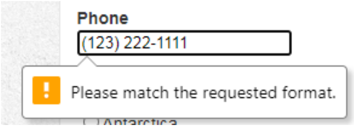
ate

Zip

abcdec

Please match the requested format.

Preventing users from entering invalid phone format (NNN-NNN-NNNN):



Phone

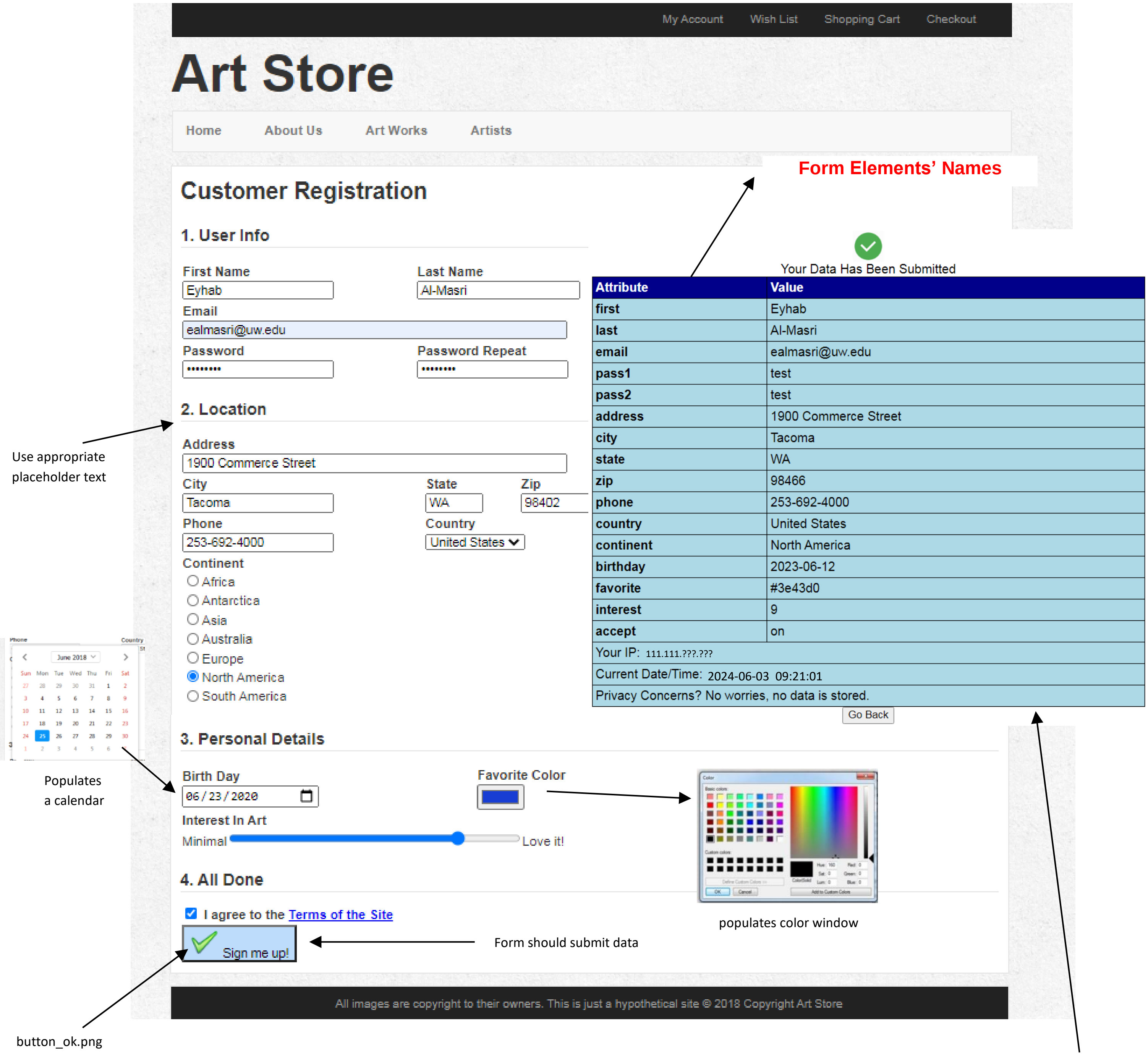
(123) 222-1111

Please match the requested format.

Some Helpful Links:

- The W3C HTML5 recommendation documentation:
  https://www.w3.org/TR/html52/sec-forms.html#sec-forms
- Below is a tutorial on HTML5 form input validation that you may find useful.
  https://html5-tutorial.net/form-validation/how-validation-works/
- The following link provides the browsers that support HTML5 form validation.
  https://caniuse.com/#feat=form-validation
- Regular Expression Library (helpful to generate regular expression patterns online where you can search for a pattern (e.g. phone) and it will provide suggestions on using the regex pattern
  http://regexlib.com/

Mockup for pageTwo.html web page



Art Store

Customer Registration

1. User Info

First Name: Eyhab
Last Name: Al-Masri
Email: ealmasri@uw.edu
Password: ••••••••
Password Repeat: ••••••••

2. Location

Address: 1900 Commerce Street
City: Tacoma
State: WA
Zip: 98402
Phone: 253-692-4000
Country: United States

Continent
○ Africa
○ Antarctica
○ Asia
○ Australia
○ Europe
● North America
○ South America

3. Personal Details

Birth Day: 06/23/2020
Favorite Color
Interest In Art: Minimal — Love it!

4. All Done

☑ I agree to the Terms of the Site

Sign me up!

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Your Data Has Been Submitted

Attribute	Value
first	Eyhab
last	Al-Masri
email	ealmasri@uw.edu
pass1	test
pass2	test
address	1900 Commerce Street
city	Tacoma
state	WA
zip	98466
phone	253-692-4000
country	United States
continent	North America
birthday	2023-06-12
favorite	#3e43d0
interest	9
accept	on
Your IP: 111.111.???.???	
Current Date/Time: 2024-06-03 09:21:01	
Privacy Concerns? No worries, no data is stored.	

Go Back

Form Elements' Names

Use appropriate placeholder text

Populates a calendar

populates color window

Form should submit data

button_ok.png

Troubleshooting Tip 1: The sample output from submitting the form should contain attribute names that correspond to the form element names on pageTwo.html. If you receive the following message after submitting the form, this is likely due to having a form element that is **missing** a required value or maps the **form element's name incorrectly** (i.e., typo).

no data was sent. Check your form. Go Back

Troubleshooting Tip 2: In the preceding example, the value sent for the field '**continent**' is "North America". This is because the value of the radio button for selecting "North America" in pageTwo.html has been designed to send the textual value "North America." You, as the designer, must determine what string values to pass for this field (such as north_america, etc.). However, sending complete raw data as "North America" reduces future server-side data processing because we can use the value as-is.