**Student Name: Weight: 10%**

**Student ID:** **Marks:** **/24**

# Lab: Creating an Interactive Webpage

In this lab, you’ll demonstrate your ability to use more advanced HTML elements to create a webpage with interactive components. This lab may be completed during a provided work period or outside of scheduled class time, as indicated by your instructor.

## Instructions

1. Working individually, create an HTML webpage with a linked CSS file that contains all elements listed in the Site Contents section below.
2. Upload the following to Brightspace:
   * A zipped folder containing:

* An **index.html** file, linked to your CSS file
* A **contact.html** file, linked to the same CSS file
* A **styles** folder containing your styles.css file
* An **images** folder containing any required logos or pictures
* An empty **scripts** folder
  + A screenshot showing successful validation of your HTML from <https://validator.w3.org/>
  + A screenshot showing your document outline from <https://gsnedders.html5.org/outliner/>
  + A screenshot showing successful validation of your CSS from <http://jigsaw.w3.org/css-validator/>

1. Submit your lab by the due date listed in Brightspace. See the marking criteria below for details on how you will be assessed.

**Site Contents**

Create a fictious online store containing two pages:

* A home page
* A contact page

Both pages will have the same header and footer.

The **header** will contain:

* The name of the store
* A logo
* A navigation section containing links to the home page and to the contact page (nav bar)

The **footer** will contain:

* Your name
* Moot links to social media pages (i.e., using an href value of #)

The home page will include:

* At least two sections

**Note:** Use placeholder text for each section

The contact page will contain:

* A **form** with at least three elements
* A Submit button

The layout of your page should look similar to these mock-ups.

Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, application

Description automatically generated

© 2022, Southern Alberta Institute of Technology

## Marking Criteria

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **0 Marks** | **1 Mark** | **2 Marks** | **Marks** |
| **HTML Syntax** | No HTML is submitted. | Code is visible on the page. | Page renders without visible errors. | /2 |
| **HTML Syntax** | No HTML is submitted. | HTML has syntax errors. | HTML passes validation with no errors. | /2 |
| **Page Content** | Headers and footers missing. | Headers and footers partially implemented. | Headers and footers fully implemented. | /2 |
| **Page Content** | Home page content missing. | Home page content partially implemented. | Home page content fully implemented. | /2 |
| **Page Content** | Contact page content missing. | Contact page content partially implemented. | Contact page content fully implemented. | /2 |
| **Accessibility** | No images are included. | One or more images are missing alt-text. | All images have descriptive alt-text. | /2 |
| **Links** | Anchors were not included. | Anchors do not work. | Anchors correctly link to each page. | /2 |
| **HTML Form** | Form elements were not included. | Insufficient form elements or attributes have been used. | Appropriate form elements and attributes have been used. | /2 |
| **CSS Syntax and Formatting** | No CSS is submitted. | CSS stylesheet is not correctly linked or multiple stylesheets were created. | A single CSS file is correctly linked to both web pages. | /2 |
| **CSS Syntax and Formatting** | No CSS is submitted. | CSS has one or more errors in validation. | CSS passes validation with no errors. | /2 |
| **CSS Syntax and Formatting** | No CSS is submitted. | CSS contains inconsistent indentation, unnecessary blank lines, incorrect selectors or significant repetition within declarations. | CSS is well formatted, with minimal repetition. Appropriate and simple selectors have been used. | /2 |
| **HTML Attributes** | No HTML is submitted. | Obsolete HTML elements are included. | Appropriate HTML elements are used in page. | /2 |
| **Total** |  |  |  | /24 |