Seneca | SCHOOL OF SOFTWARE DESIGN & DATA SCIENCE

WEB222 Final Assessment Winter 2022

Instructions: Available under Assignments tab. No late submission will be accepted. The submission link will not be available after the deadline. Do not wait for the last moment to upload since there is processing/queuing/transmission delay from your machine to the blackboard server.

Overview

The WEB222 final assessment is usually an exam, and covers everything in the course. However, due to the circumstances this term, we are NOT going to have an exam.

Instead, we will be using an alternate final assessment. In terms of grading, this work will be equivalent to the exam, but can be done remotely and submitted online.

Description
Your task is to develop a few HTML5 web pages with style sheets and JavaScript. This assessment must be your own work.

Following illustrates the directory structure of your final assessment. The indentation reflects the location of the files. You must abide by the naming of the following structure (all are lower case). Failure to do so will result in 50% mark reduction for the whole assessment.

        Final_Assessment ← folder
                honesty.html
                reflection.html
                normalize.css
                product.html
                product.js

The specific height and width of each panel (for instance, Header/Footer/Navigation/Error display etc.) is for you to define; however, each page layout must have consistent look/navigation and be professionally designed. Your page, however, should have the following formatting: all panels should have a border (header/footer with rounded radius); the page should have a background of some color; the text of the header and footer should be in a different color than the rest of the panels. The side panel (aside section for instance) is optional depending on your design/requirement (mandatory for product page only). For simplicity, assume that the desktop screen width is fixed and set at 1100px. Ideally there should not be any

horizontal scrolling. The navigation must have links to all other pages with the currently visited page as active link. The header should contain a logo and name of your choice.

Page requirements:

(1) Welcome page (honesty.html): this page is the starting page of the website. You must understand and add the following content with your full name in the body section.

"I declare that my Final assessment assignment is wholly my own work in accordance with Seneca Academic Policy. No part of this assignment has been copied manually or electronically from any other source (including web sites) except for the information supplied by the WEB222 instructor and / or made available in this assignment for my use.

I also declare that no part of this assignment has been distributed to other students.

Name: Type your name here

Dated: Type the submission date here "

(2) Product info page (product.html): this html page will allow a user/supplier to fill out information such as product name, description, supplier info etc. This html page will have a submit button, a reset button and must support JavaScript validation. The validation requirement is provided below:

A. You must make all fields mandatory to insert for users/suppliers.
B. Product ID: Digit only and 8 characters long (ex, 44455599).
C. Product Description: Must start with a cap and only alphabet allowed. Must contain at least 20 characters. Use textarea as input field.
D. Price: Digit only, decimal not allowed. Less than 1000.
E. Supplier Username: username must start with an alphabet, must have at least 6 characters. Pattern attribute is not allowed for this field.
F. Supplier Status: Type of check Boxes. The value should choose from the following option of check boxes: New Supplier, Contract Signed, Quality Tested. User must select at least one of the check boxes. Pattern attribute is not allowed for this field.
G. Supplier Email: use html5 input type for default validation.
H. The name of the form must be "signup" to accept user's input for creating user account. This form must submit to https://httpbin.org/post using the post method **only when** the form does not contain any validation errors. You must do the following for displaying error messages-

Display appropriate messages in side panel only for each error when the user clicks the submit button. There should not be more than 3 error messages in total for each display. These errors are mainly for part E and F above.

I. You should use pattern matching wherever possible to make JavaScript code efficient. You may want to use "required" attribute as necessary. If there is no error found, then a success alert is displayed and form is submitted to https://httpbin.org/post.

J. This page must have two hidden fields: one with your last name as value and lastName as field name/id and the other with your Seneca student id as value and studentId as field name/id. Failure to have this hidden field with appropriate property/value will result in zero mark for this page. Example is given below:

```
<input type="hidden" name="lastName" id="lastName" value="Your last name goes here" />
<input type="hidden" name="studentId" id="studentId" value="Your student Id goes here" />
```

(3) Reflection page (reflection.html): One reflection page (reflection.html) with the following content:

You are asked to write a reflection content that is 500-600 words in length. In your reflection page, please address all of the following:

- Explain the concept of Responsive Design. What does the term mean?
- How does responsive design relate to web technologies?
- What did you learn about building web apps for different devices through your research?
- Finally, describe your learning experience in the course.

Your reflection page should be free of typos and grammatical/spelling errors, and use full sentences and paragraphs. If you quote or reference any resources online, make sure you include proper citations (Do not COPY/PASTE without reference). Your reflection must also be your own work. You may not collaborate or copy material from other sources or students.

(4) CSS and JS: you must have external css file called **normalize.css** that you will apply to html pages for presentation/layout. You will be evaluated based on creativity. You must have separate script files as necessary. All css and script must go into the external css and Js file. The name of the files must correspond to the names of the html pages (except the welcome page).

(5) Title of each page: the title tag of each page in the head section must have your Full name. Failure to do so will result in mark deduction.

(6) Browser issues: you should test your complete site with at least FX and Chrome (testing with Edge/Brave/Safari/Avg is optional). You may display a note in the welcome page which 2 browsers (with versions) your site works the best. Think of client's convenience. Its wise to test with different display settings/screen resolutions.

(7) Crate a GitHub account, upload and provide the link for the **public GitHub link** in the footer of the product.html page.

Other Requirements
• Your HTML & CSS must be well-formatted and properly commented where appropriate.
• Your code will be evaluated for correctness of syntax and appropriate usage.
• Each HTML page must **pass** the **W3C's HTML Validation**: https://validator.w3.org/
• All CSS used in the assignment must **pass** the **W3C CSS Validation**: https://jigsaw.w3.org/css-validator
• All JavaScript code must not contain any **run-time errors/exceptions**.

Final Submission Guidelines:
a) Zip **all of your files** as **Final_Assessment.zip**

b) Upload the zip file to **My.Seneca** under **Assignments -> Final Assessment** (same submission procedure as assignment 3)

c) IMPORTANT: All **HTML** & **CSS should not contain any error** when validated (**HTML**: https://validator.w3.org/, **CSS**: https://jigsaw.w3.org/css-validator)

d) **NO LATE SUBMISSIONS** for Final assessment. Late submissions will not be accepted and will receive a **grade of zero (0)**.

e) After the end (11:30PM) on the due date, the assessment submission link on the Blackboard will no longer be available.

Evaluation Rubric:
Partial marking is up the discretion of the instructor.

➢ Product page fields with validation attributes (user friendly display is required): 5 marks
➢ Reflection page: 3 marks (zero will be assigned for copy/pasting)
➢ Github upload and link: 2 mark
➢ JS code: 6 marks (**any JS code must go in product.js file**)

- CSS rules (note the rounded corners for header/footer, all pages must have consistent look): 4 marks
- Honesty page: 0 marks, but 50% marks will be deducted for the whole assessment if this page is missing.
- Also, note the red statements for the hidden fields in the Product page and requirement # 5.
- One of the course promotion policy says "Get 50% or more in your final assessment"