

# WEB222 Final Assessment – Summer 2021

## 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.

The assessment has three parts and builds on your knowledge to create websites. Specifically, you will be asked to do the following:

1. Create a personal website with information about yourself, your interests, and your expertise. (worth 10%)
2. Research and Implement a Static Hosting solution for your final assignment, so it can be viewed online (worth 5%)
3. Create a reflection video about the work you did in step 1. (worth 5%)

## Submission

All 3 parts of your final assessment are due by midnight, **Thursday August 12<sup>th</sup>**. You can submit your complete zipped folder via Blackboard and include the website URL from part 2 in the comments. You **may** consult your notes, class recordings, and use the web, but you **may not** discuss any part of this final assessment with other students. All work must be your own. You may not collaborate or copy material from other sources or students.

Don't forget to include the URL for the reflection demo (if you upload your video to your YouTube account, make sure you make unlisted, so only the person who have your link can view the video)

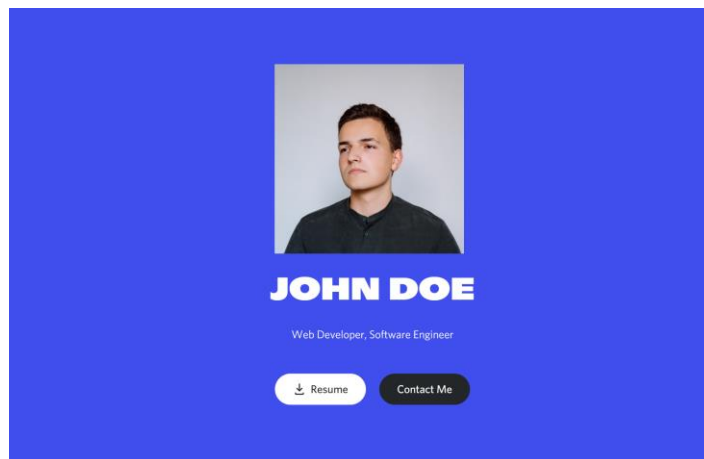
## Part 1. Website Design (10%)

You are asked to create a personal website to show off your skills as a web developer to possible employers. You are responsible for researching and implementing all aspects of this on your own.

Your website will be expected to have the following structure:

- All website content should be centered in the viewport, having equal margins on left and right. The page content should cover 90% of the viewport width (the width of the browser window). However, the content width should be limited to 1100 pixels, never growing larger than that (take a look at max-width css property).

- The website will be divided into different sections being recognized by either a stylish horizontal line or a different background color (see [discord.com](https://discord.com) for an example). Use a palette from [palettelist.com](https://palettelist.com) to improve the design.
- The top section should have the following structure, showing an image of yourself along with a title you hope to get in the future and two buttons. The contact me button should point to the contact me form, which will be discussed in more detail. Note that the exact styling is up to you, make it your own, but convey the same information with the same structure. You can use [Google Fonts](https://fonts.google.com) and [Font Awesome](https://fontawesome.com) to improve the website's aesthetics.



- Create an infographic section that tells us about you. Again, the exact styling is up to you, make it your own, but try to recreate this structure.
- In this section, list your name, current date, this course, your section, your professor's name and use the Seneca honesty statement found at the **bottom of this document**.

|  |   |
|--|---|
| <p><b>About Me and Academic Honesty</b></p> <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis elementum pretium lectus nec dictum. Quisque vulputate tempus nisl eu tincidunt. Sed non porta dolor, nec consequat elit. Nam iaculis neque justo, sit amet commodo sem lobortis sed. Nam dapibus auctor nisl, non condimentum quam blandit id. Praesent eleifend lorem leo, vel facilisis quam tincidunt vitae. Phasellus ac lacus tellus. Maecenas a vestibulum sapien. Maecenas nibh massa, pellentesque ut efficitur sit amet, dapibus eget odio.</p> <p><b>Date:</b> Jan 1, 2021</p> | <p><b>Basic Information</b></p> <p><b>AGE:</b> 99</p> <p><b>EMAIL:</b> john.doe@gmail.com</p> <p><b>LANGUAGE:</b> English, French</p> <p><b>CLASS SECTION:</b> NAA</p> <p><b>STUDENT ID:</b> 123456789</p> <p><b>INSTRUCTOR:</b> Dr. John Doe</p> |
|--|---|

- Create an education section that tells us about your education. Use your own style to convey the same information with a similar structure.

## Education

|  |   |
|--|---|
| 2020 - 2024(expected)<br>Bachelor's Degree | Bachelor's Degree<br>SENECA COLLEGE<br><br>Under the supervision of Dr. Awesome.<br>Awarded with all scholarships in the world. |
| 2020 - 2024(expected)<br>Bachelor's Degree | Bachelor's Degree<br>SENECA COLLEGE<br><br>Under the supervision of Dr. Awesome.<br>Awarded with all scholarships in the world. |

- Create a section with an HTML Form for the user to fill out their information along with a message to you (a contact me form). Your form should include the following, and all fields should be mandatory unless otherwise noted, and use the most appropriate `<input>` type:
  - Name
  - Email Address
  - Address
  - City (use a `<datalist>` for autocomplete of common Canadian cities)
  - Postal Code (must be a valid Canadian Postal Code, with or without a space, use a regex pattern)
  - Radio Options to specify what this is about: one of "Question", "Comment", or "Hiring". If the user selects "Hiring", dynamically reveal (with JavaScript) another input box to enter the hourly rate (with proper validation). In the case of "Comment" or "Question" hide this input box
  - A large area to enter the message that they want to send (it can show at least 5 lines of text at the same time)
  - Choose 1 more input of your own choice and make it fit thematically with the rest of the form
- The form should submit to <https://httpbin.org/post> using the POST method, and only allow the user to submit when all data has been entered and there aren't any validation errors. The data posted to httpbin.org should include all data defined in the form above.

## Part 2. Static Hosting (5%)

You are asked to research and implement a static hosting solution for your final assignment. Your final assignment, including your responsive design, should be accessible via a public URL. You do not need to spend any money to achieve this, since many free hosting services exist:

1. Netlify - <https://www.netlify.com/>
2. Zeit <https://zeit.co/>
3. GitHub Pages - <https://pages.github.com/>
4. Firebase - <https://firebase.google.com/docs/hosting>

If you would like to consider registering a Custom Domain Name, that is also something that you could do. See more info at <https://www.cira.ca/ca-domains/register-your-ca>. This is optional, and not required, but good experience for all web developers.

Please submit the public URL for your project. All pages, images, etc. must work and not return 404s or other errors.

### Part 3. Reflection Video (5%)

You are asked to create a reflection video that is 5 minutes in length. In your reflection, please address all of the following:

- What techniques, technologies, and patterns did you use in your website?
- Explain some of the main features of HTML Forms and Input elements you used to help make sure the user's input was valid for your forms.
- How did you test that your forms were working, and did this testing find any bugs in your implementation? How did you address these?
- Which static hosting solution did you use and why?
- What advice would you give to other web developers building forms for their pages based on your own experience? What lessons did you learn?
- What improvements would you make to your webpage? What would you do differently if you built it again?

You may not collaborate or copy material from other sources or students.

#### Honesty Statement:

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