Seneca | SCHOOL OF SOFTWARE DESIGN & DATA SCIENCE

WEB222 Final Assessment – Summer 2022

Term	Summer 2022
Professor	Navreet Singh Lehal
Course Code	WEB222
Course Section letter	NII
Date of exam/test	Submission By: Friday, August 19th, 2022, 11:59pm
Time allowed to complete	10 days
Weight of exam/test	20%
Total marks for the exam/test	20
Mark breakdown: PART A: PART B: PART C: TOTAL MARKS:	10% 5% 5% 20%

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, <mark>**Friday, August 19th, 2022.**</mark> 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.

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:

- This website should have total 4 webpages: **honestly.html**, **main.html**, **resume.html** and **contact.html**.
- All web pages 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).
- In **honesty.html** page you must 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 Professor and / or made available in this assignment for my use.

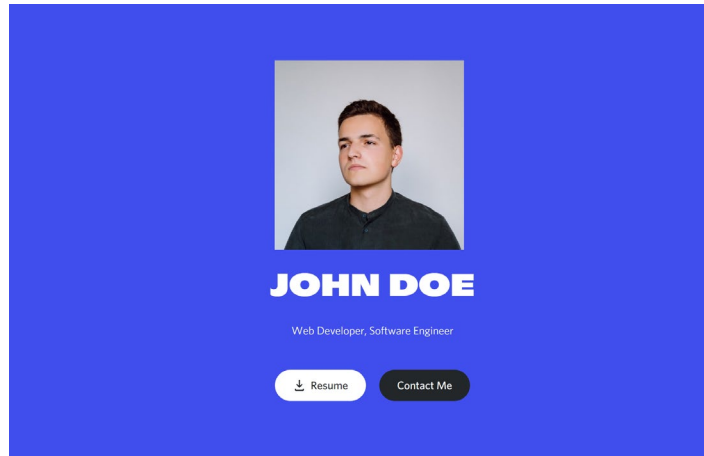 I also declare that no part of this assignment has been distributed to other students."
  Name: Type your name here.
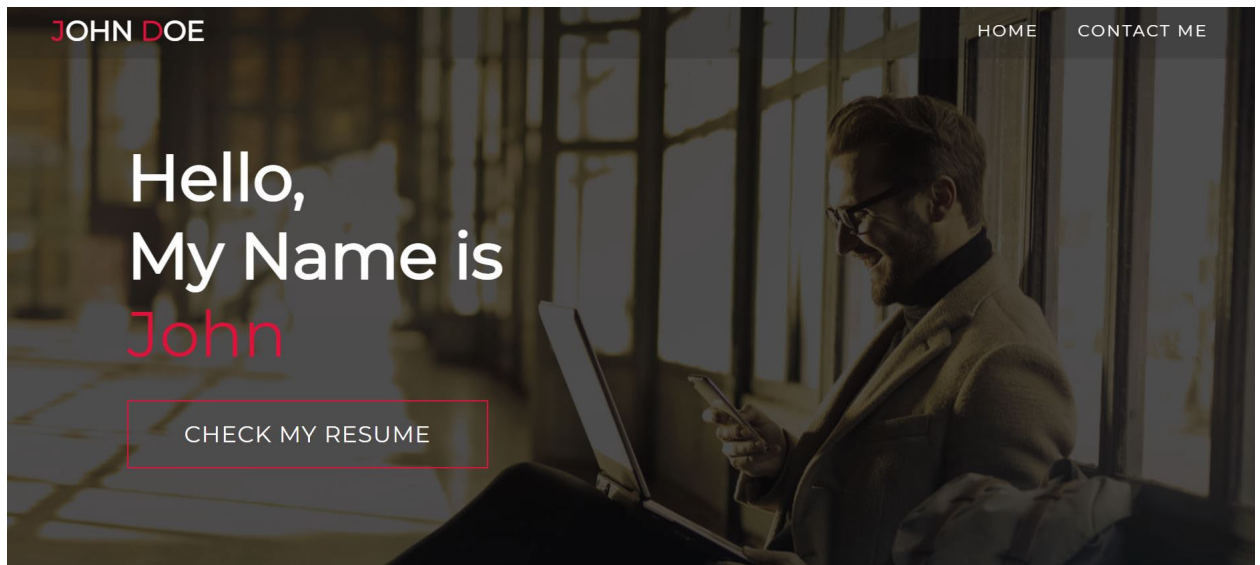 **Student Id: Type your Id here.**
  Dated: Type the submission date here.

- All different sections of **Resume.html** should be recognized by either a stylish horizontal line or a different background color (see discord.com for an example). Use a palette from palettelist.com to improve the design.
- The first page **main.html** 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 Resume button should have one of the icon along with the text.
- On the click of **"Resume"** button, you should be navigated to **resume.html** page.
- On the click of **"Contact Me"** button you should navigate to the **contact.html** form, which will be discussed in more detail. Note that the styling is up to you, make it your own, but convey the same information with the same structure. You must use Google Fonts or Font Awesome to improve the website's aesthetics.

- Working with .css files is totally your choice. You can add one or different .css files for different web pages. Use of Bootstrap is also allowed for the design.

- The top portion of the <mark>resume.html</mark> should have a beautiful header at the top. You can take an idea from the below image. You can provide the navigation link of other two pages in the header.

- In the bottom portions of this page, 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.

About Me

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.

Basic Information

AGE: 99

EMAIL: john.doe@gmail.com

LANGUAGE: English, French

- 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)

Bachelor's Degree

Bachelor's Degree
SENECA COLLEGE

Under the supervision of Dr. Awesome.
Awarded with all scholarships in the world.

- Create one more section. You are asked to write a reflection content that is 150-300 words in length. In your reflection content, please address all of the following:
  a. Explain your experience about the WEB222 course?
  b. What you learned in this course?
  c. Where you feel the concepts of WEB222 will help you?
  d. Basically, you must describe your learning experience in this course.

- Your reflection 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.

- In the contact.html page, create an HTML Form for the user to fill out their information along with a message to you. You can keep the similar header as of the resume.html page. 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 (Apply email validation by using Javascript)
  - Address (should not be empty)
  - City (should not be empty)

- 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.
- For "Comment" or "Question" provide a large area to enter the message that they want to send (at least 5 lines)
- All the input fields should have the required attribute.

- Your form should submit to https://formspree.io/ using your form-spree account and by using the POST method.

  NOTE: we **won't** be submitting real data to company server, only simulating it using https://formspree.io, which allows developers to collect responses from user-submitted forms. You need to sign-up for a free account so you can receive form submissions. See https://help.formspree.io/hc/en-us/articles/360053239754-Getting-started-with-projects.
  Reference Link to work with Form Spree:
  https://www.youtube.com/watch?v=H_MUJ--iAcc&ab_channel=DanijelaJS

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. Personal Reflection Video (5%)

You are asked to record a reflection video of yours **(With Web-Cam Turned On)** that should be of at least 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 challenges you faced while working on this website? How you solved those?

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