

Due Date: Tuesday March 24, 2020 11:59 pm

Total Marks: 24

Classes and DOM Manipulation (24 Marks)

HTML

Create an HTML that contains a `paragraph` with ID attribute of `"target_p"` that includes the following quote by Ada Lovelace:

In considering any new subject, there is frequently a tendency, first, to overrate what we find to be already interesting or remarkable; and, secondly, by a sort of natural reaction, to undervalue the blue state of the case, when we do discover that our notions have surpassed those that were really tenable

JavaScript

Create a separate JavaScript file for this page.

- Create a new Class called `ParagraphChanger` where the constructor accepts the `Paragraph` element.
- The constructor should create a `div` *before* the paragraph, with the ID `button_container`. It should then add four `buttons` with the following titles.
 - Toggle Bold
 - Toggle Width
 - Toggle Colour
 - Toggle Font Size
- Add click event handlers to the four buttons. Each click of a button should "toggle" a style on the paragraph and clicking it a second time should toggle it again. By default, none of the changes are enabled.
 - **Toggle Bold** will make text bold
 - **Toggle Width** will change the width of the paragraph to be 50%.
 - **Toggle Colour** will change the color of the text to *Ferrari Red*.
 - **Toggle Size** will double the font size.
- Each button should be able to work independently of the other.

CSS

Create a separate CSS file that handles the styling for the page.

- Style the buttons so that they sit horizontally inside their container. The four buttons together should take up the full width of the container and each button should be the same width.
- Include a 1px black border around button container, 10px of padding.
- There must be a 10px gap between each of the buttons.
- The paragraph must have a 3px border of #ff2800 (*Ferrari Red*) and 15px of padding.

Hand In Instructions:

Zip all files into a single archive named *StudentNumber_Assignment2.zip*. Submit the zip file to the marker at 2909-051@acs.uwinnipeg.ca.

You *must* use your uwinnipeg email address!

Please allow yourself time to package the file and send it. Anything *received* after the deadline is considered late.