SRT621-NAA – Winter 2022

Lab #2

Worth: 5% of final grade [5 marks + 1 Bonus marks]

Assignment out: Jan 19, 2022

Assignment Due: Jan 26, 2022

Submission Instructions

Please zip all your submission files and name the zip file as it follows:

YourName_Lab2.zip

The professor can call any student for a one-on-one interview to explain the code and answer some questions about the code. Failing to participate in this interview will result in a grade of zero in the assignment.
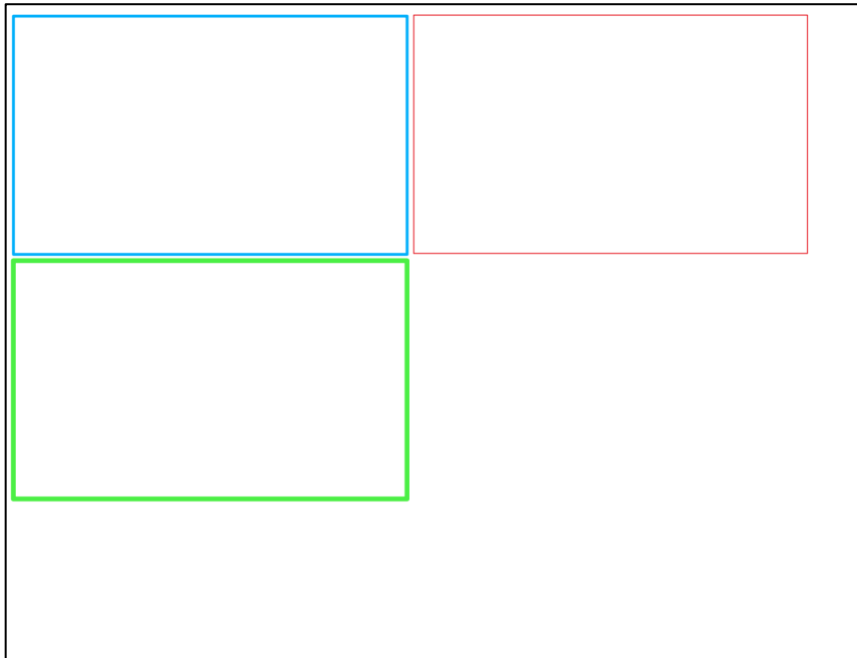
Using 3rd party applications to generate the codes will result in losing marks.

General Description

This lab consists of 5 questions. For each question you must create at least one html file (unless you want to put your CSS codes in a separate .css file).

Question 1 [1 mark]

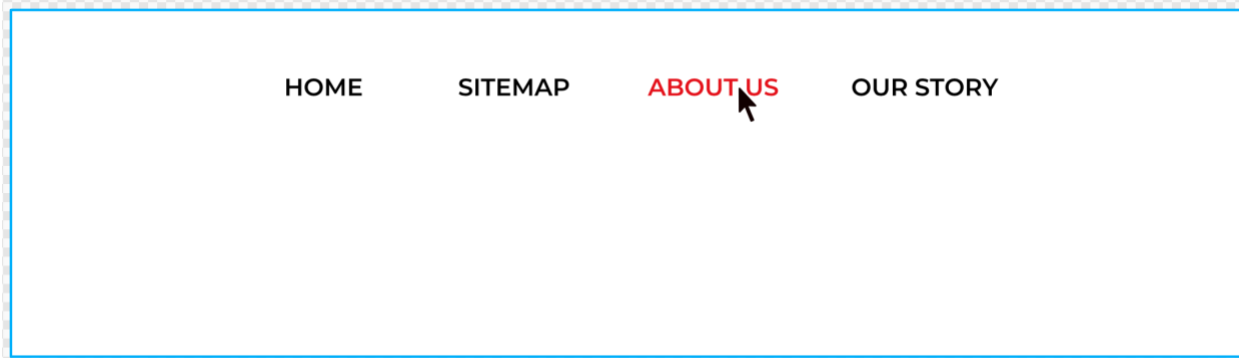Create a HTML file (Q1.html) which looks like the following.

- The box on top left hand side of the page must have a border thickness of 4 pixels and border color of rgb(0,100,0)
- The box on top right hand side of the page must have a border thickness of 10 pixels and border color of #E70E0E
- The box on bottom left hand side of the page must have a border thickness of 4 pixels and border color of green
- The blue and red boxes must be side by side.
- All boxes must be 800px by 600px
- You can use as many tags as you wish.

Create a HTML file (Q2.html) which contains a horizontal navigation pane as described below:

- The navigation pane must have the following items with a text color of your choice.
  - Home
  - Sitemap
  - About us
  - Our story
- Navigation pane must be at the center of the page (same distance from left and right hand side of the window)
- When the user hovers any item, that item's color changes.

An example is shown below

Question 3 [1 mark]

Create a HTML file (Q3.html) which contains 3 paragraphs. Each paragraph must have a different font face (3 different fonts in total). You can use any font, however, you must make sure that any user must be able to see the fonts on their browsers.

Question 4 [1 mark]

Create a HTML file (Q4.html) which contains the following text which has been extracted from this [Wikipedia page](#):

CSS is designed to enable the separation of presentation and content, including [layout](#), [colors](#), and [fonts](#). This separation can improve content [accessibility](#); provide more flexibility and control in the specification of presentation characteristics; enable multiple [web pages](#) to share formatting by specifying the relevant CSS in a separate .css file, which reduces complexity and repetition in the structural content; and enable the .css file to be [cached](#) to improve the page load speed between the pages that share the file and its formatting.

Separation of formatting and content also makes it feasible to present the same markup page in different styles for different rendering methods, such as on-screen, in print, by voice (via speech-based browser or [screen reader](#)), and on [Braille-based](#) tactile devices. CSS also has rules for alternate formatting if the content is accessed on a [mobile device](#).

The name *cascading* comes from the specified priority scheme to determine which style rule applies if more than one rule matches a particular element. This cascading priority scheme is predictable.

Apply CSS rules on the hyperlinks so that:

- Their colors are set to orange.
- They are not underlined.
- They have a Green border.

A sample is shown below.

Question 5 [2 marks]

Create a HTML file (Q5.html) which contains 3 boxes as shown in the following image.