
CO1019 – Databases and Web Technologies

Assignment 1

Important facts:

Handed out: 13th -February-2017

Deadline: 21st - February -2017 at 23:59.

Mark Returned: 2nd -March -2017

This assignment counts as 15 marks.

This assignment is an individual piece of work.

The deadline is strict.

No resubmission is allowed.

Description:

This assignment is about building webpages using HTML, CSS, and JavaScript. Find the Submission section at the end of this document.

Task1:

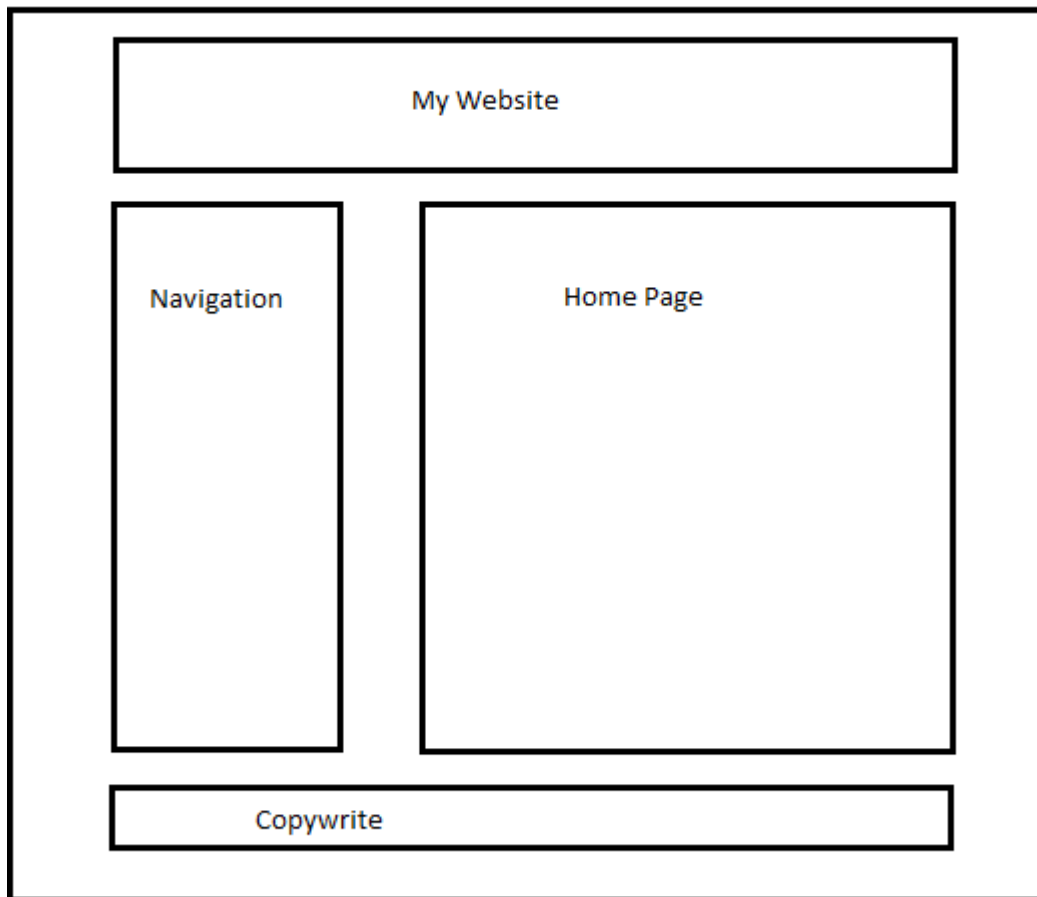
Follow the following steps:

- 1- Create the following web page using HTML, to look on your browser as follows. The page should include the following mark-up:



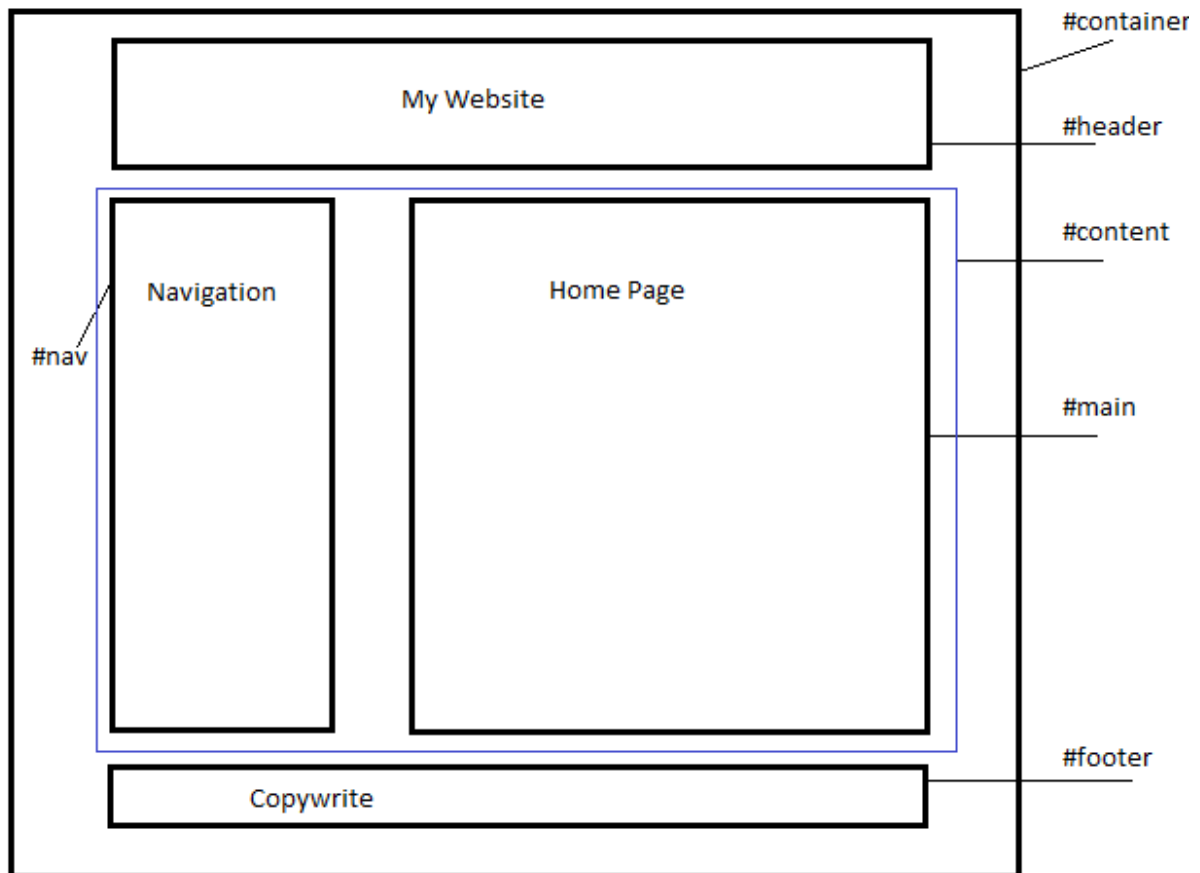
- Header
- Navigation on the left

- Inside the Navigation, create an unordered list, which consist of 3 links as follows: (Home, About, & Contact).
- Main content in the main area (The text is just random *Loren Ipsum*).
- Footer at the bottom.



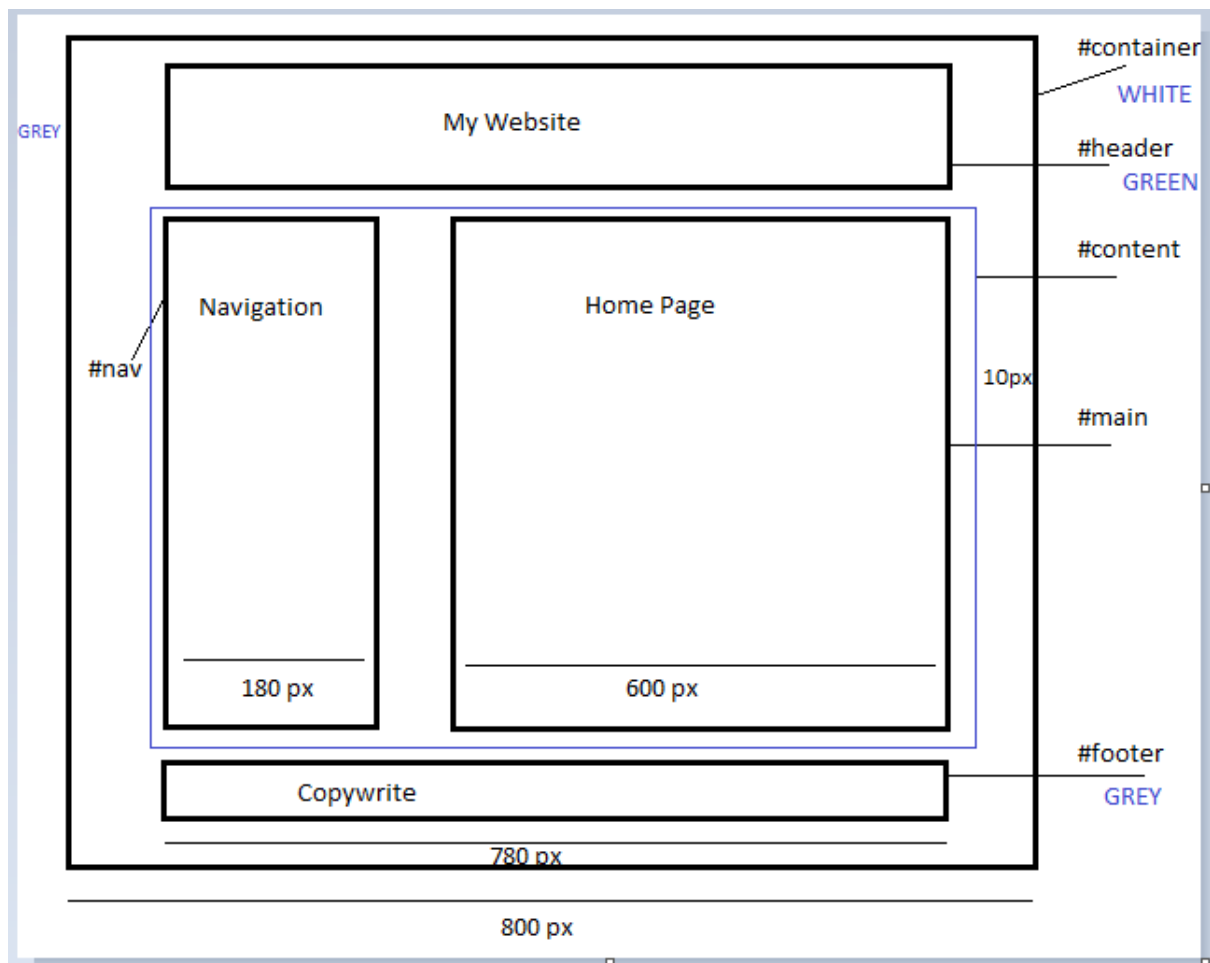
- 2- Organise each section with HTML, as follows:
- a. Include the entire page in a div and position it in the central of the browser. And give the outer div the id: container)
 - b. Put the Header in a div, and give it the id: header
 - c. Put the Navigation and Main content in a Div together. Give this div the id: content.
 - d. Put the Navigation in a separate div, and give it the id: navigation.
 - e. Put the Main in a separate div, and give it the id: main.
 - f. Put the Footer section in a div, and give it the id: footer.

3- Use CSS to style the page as the following sketch and description:



4- Define the structure as follows:

- g. Give the background colour Grey for the entire homepage.
- h. Give the background colour White for the container section.
- i. Give the background colour Green for the header section.
- j. Give the background colour Grey for the footer section.
- k. Make the entire page 800 pixels wide. See below sketch.
- l. Add 10 pixels padding around the outside of the main area (which includes the navigation and main content sections). See below sketch.
- m. Since we now have 10 pixels taken out on each side, this leaves us with $800 - 20 = 780$ pixels for the main section with the navigation. On this note, make the main content alone 600 pixels, which leave only 180 pixels for the navigation. See below sketch for further explanation.



With regards to the Navigation Links:

- n. When you click on 'Contact', a second page called "ContactPage" should appear in a new window. This page has exactly the same structure as the home page, however, in the main area instead of the text, the following form should appear:

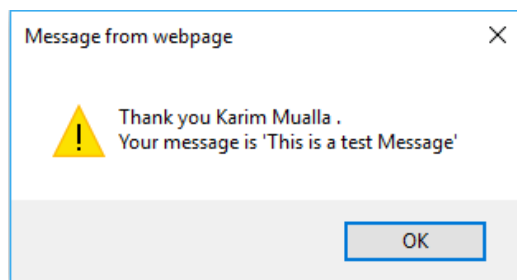
First Name

Last Name

Country

Enter your Message Here...

- o. When you click on 'About', the page should open a new email message box in the default email application on the user's device. The email address in the sender field should be your university email address. (e.g. khj53@le.ac.uk).
 - p. When you click on 'Home', the link should take you back to the home page.
- 5- Using JavaScript, write a function in the ContactPage.html <head> section, which shows a message on the screen after you click the Submit button. This message should include the user's First Name, Last Name, and the text entered by the user in the Text Area.
- For example, if I enter the following fields in my form: ("Karim", "Mualla", "This is a Text Message"), the message will look like this:



- 6- The final home page (HomePage.html) should look similar -to a considerable extent- to the following final result page:



The ContactPage.html should look to a considerable extent as follows:

The screenshot shows a web browser window with the address bar displaying 'C:\Users\Karim\Google Driv' and the page title 'Dr Karim Mualla'. The website has a green header with the text 'My website'. Below the header, there is a 'Navigation' section on the left with links: Home (highlighted in red), About, and Contact. The main content area contains a form with fields for First Name, Last Name, Country (dropdown menu), and a text area for 'Enter your Message Here...'. A 'Submit' button is at the bottom of the form. The footer is a grey bar with the text 'Copyright © 2017 Dr Karim Mualla'.

My website

Navigation

[Home](#)
[About](#)
[Contact](#)

First Name
Karim


Last Name
Mualla

Country
USA

This is a test Message

Submit

Message from webpage

 Thank you Karim Mualla .
Your message is 'This is a test Message'

OK

Copyright © 2017 Dr Karim Mualla

Task2:

Create the following HTML page:

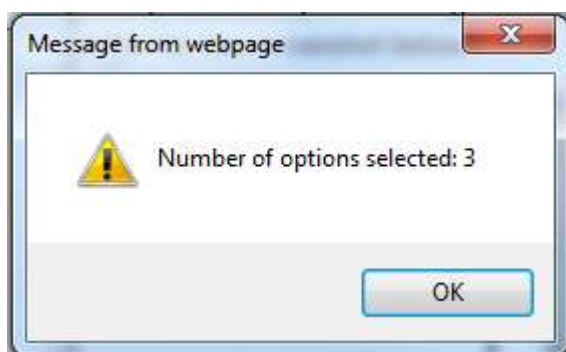
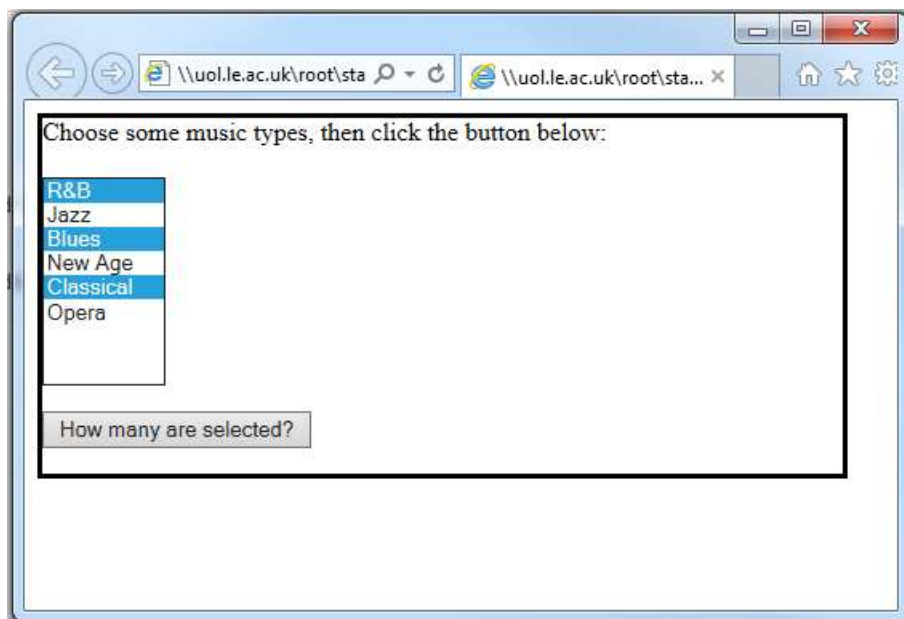
- 1- Create the following web page using HTML, which includes the following form.

Choose some music types, then click the button below:

R&B
Jazz
Blues
New Age
Classical
Opera

How many are selected?

- 2- When the button is clicked: Create a JavaScript Function that produces a system message on the screen to tell the user how many items have been selected from the list. See screenshot below. *HINT: You will need to use a Loop to go through the items in the list.*



Submission:

You should submit (upload) your assignment to TurnItIn on Blackboard under the "Assignment 1" Folder. The submission should include one ZIP file, which includes four files as follows:

- YourUserName_HomePage.html
- YourUserName_ContactPage.html
- YourUserName_style.css
- YourUserName_Task2.html

The files should be titled as follows: YourUserName_HomePage.html". (e.g. kjh43_HomePage.html & kjh43_ContactPage.html & kjh43_style.css). Once all files are added and you are happy to proceed with submission, click the submit button. You are able to delete your submission and re-submit until the deadline. Be aware of plagiarism, every HTML, CSS, and JavaScript code is different when written by an individual student.