Assignment#1

DUE 19/3/2021 8.00AM

Part 1: Working with web developer tools inside browsers

In this lab, you will get familiar with web developer tools inside modern browsers.

To see HTTP requests/responses between your browser and one specific web server do the following steps (Pick one browser and follow the steps for that browser):

Firefox:

1. Visit google.com

2. Press F12 to launch the Debugger

3. Go to network tab

4. Refresh the page by pressing F5 + ctrl (Full page refresh)

5. Answer the following questions?

    a. How many HTTP requests did the browser send to Google?

    b. How much time did it take to load the page?

    c. How many png files were in the page?

    d. Take a screenshot from your screen and include it in your document (if you don't know how to take screenshot, read the following link: http://www.wikihow.com/Take-a-Screenshot-in-Microsoft-Windows)

Chrome:

1. Visit google.com

2. Press F12 to launch the Debugger

3. Go to network tab

4. Refresh the page by pressing F5 + ctrl (Full page refresh)

5. Answer the following questions?

   a. How many HTTP requests did the browser send to Google?

   b. How much time did it take to load the page?

   c. How many png files were in the page?

   d. Take a screenshot from your screen and include it in your document (if you don't know how to take screenshot, read the following link: http://www.wikihow.com/Take-a-Screenshot-in-Microsoft-Windows)

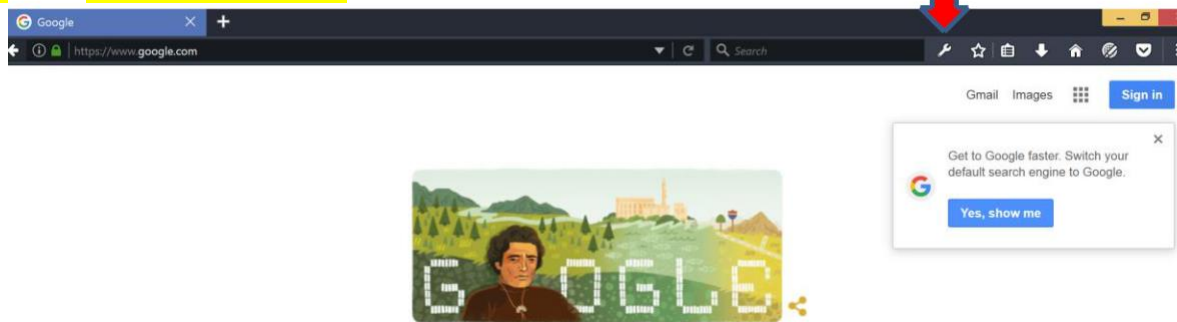## Internet Explorer (version 9 or higher):

1. Visit google.com

2. Press F12 to launch the Debugger

3. Go to network tab

4. Press run (Enable network traffic capturing)

5. Refresh the page by pressing F5 + ctrl (Full page refresh)

6. After the page fully loaded, press stop (Disable network traffic capturing)

7. Answer the following questions?

   a. How many HTTP requests did the browser send to Google?

   b. How much time did it take to load the page?

   c. How many png files were in the page?

   d. Take a screenshot from your screen and include it in your document (if you don't know how to take a screenshot, read the following link: http://www.wikihow.com/Take-a-Screenshot-in-Microsoft-Windows)

Working with Firefox Developer Edition

1. Download and install Firefox Developer Edition:

    a. https://www.mozilla.org/en-US/firefox/developer/

    b. Open *web developer tools*

2. Visit google.com

3. Press F12 to launch the Debugger

4. Go to network tab

5. Refresh the page by pressing F5 + ctrl (Full page refresh)

6. Answer the following questions?

    a. How many HTTP requests did the browser send to Google?

    b. How much time did it take to load the page?

    c. How many png files were in the page?

    d. Take a screenshot from your screen and include it in your document (if you don't know how to take screenshot, read the following link: http://www.wikihow.com/Take-a-Screenshot-in-Microsoft-Windows

Part 2: Create your first page and upload it to the web server

For this lab session you will be given a basic html file that has minimal content in a very basic layout. You are given instructions below to edit the html file and to upload the file so that the public can see your web page.

Task 1: Modify the HTML. Complete the following modifications.

1. Change the content (The name of Instructor and the brief biography) so it will show your name and a short biography.
2. Save the file

3. Upload it to your webpage

4. You should see your biography!

Create a document; write down the answers to the questions in part 1. After that, add the requested screenshot. Then, write the link to your personalized aboutme.html. Submit your .html file and the document you created. It is your responsibility to make sure that the web page is running.