Laboratory Sheet 1 – Bootstrap template.html

- This lab will be evaluated and averaged for calculating your final score for the lab part.
- This lab corresponds to 25% of the final score of the labs.
- This lab was introduced on Thursday 27 January and has to be submitted before Friday 18 Feb at 23:00.
- Submissions will be penalized with 10% for not being submitted on time and. And no assignments will be accepted after Wednesday, 23 Feb at 23:00.

Please, see the changes/additions to the previous version in red colour 31/1/2022.

In the first lab you will have to reuse code downloaded from Bootstrap [1]. Bootstrap is an open-source code that provides designers with code that can be seen from multiple devices and automatically adapts to them. The main advantages of Bootstrap are: i) it is easy to use, ii) bootstrap automatically adapts to all kinds of devices such as tablets or phones, iii) and it is compatible with a high number of browsers (Firefox, chrome, safari…). Bootstrap is one of the more spread and consolidated technologies for designing responsive websites, where responsive means that they adapt to all kind of different devices (smartphones, tablets, laptops, PC, and so on)

For this lab, you can either:
- Create your personal website (using some of the code of the previous lab)
- Create a website for an imaginary company (imagine you are creating a website of your future company or a company is hiring you for creating one).

To this end, follow the instructions:

1. Download/copy any of the Bootstrap 5 Template from https://themewagon.com/themes/ or any other website that you like.

2. At this point you have two options:
   a. Use a Bootstrap template to create your personal website. It does not have to be a real, you can pretend that is your personal website represents yourself by the age of 40 with all the things you would like to accomplish by then.
   b. Create a new website for an imaginary company.

3. If you need images, take a look at the link at the end of the page where you will find multiple free galleries [2].

4. Include in the body of the page:
   a. Circle images : https://www.w3schools.com/bootstrap4/bootstrap_images.asp
   b. a striped table: https://www.w3schools.com/bootstrap/bootstrap_tables.asp
   c. a carousel: https://www.w3schools.com/bootstrap/tryit.asp?filename=trybs_carousel&stacked=h

5. Resize your browser window to check the responsiveness of the various elements.

6. You can verify that your website works using Chrome as explained in [3].
   a. for small devices
   b. for medium devices
   c. verify the stacked-to-horizontal behaviour with both classes above, by resizing the browser window
7. Adding additional elements of your choice to the design such as Jumbotron, Button, pagers, lists or panels will contribute to a better score.
8. It will be good if you can embed videos from YouTube or another platform. Please, do not store videos locally since they consume a lot of bandwidth. If you use images, please keep them in a folder and use recognizable names.
9. The texts and images of the web do not need to be original but remember to include a reference of where they obtained. You can include the references somewhere in the website.
10. You can add some effects and functionalities to the website.
    a. https://mdbootstrap.com/docs/standard/content-styles/animations/
11. You need to make easier to get a grasp of your work on the presented website. To do so, please create a section on your website called "My improvements" in which you can explain your improvements/changes as well as a link to the original template. You can group your changes by different categories such as editing the i) CSS, ii) the content and images, iii) additions to JavaScript functionalities. Iv) effects and so on.
12. Please, upload the assignment using a ZIP file and add a Readme file for clear instructions on how to visualize your web.

At the end we will evaluate the following factors:
- Level of the originality of the website.
- Level of complexity of the website. Order and tidiness of the website (how intuitive it is), and also the quality of the user experience.
- Quality of the design and look and feel of the website.
- Level of adaptation to different devices (how well the website looks in desktops, tablets, and smartphones).

Summary on how the grading will be:
a) FAIL – (Below 4) – The student has just downloaded the template a made a very small change. The original template and the final website look pretty much the same.
b) PASS – (Between 4 and 6)- The student made a good effort in changing the look and feel of the website.
c) GOOD – (Between 6 and 8) – The website looks very different to the original one and the student has given inside the website all the new functionalities that have been implemented other than changing templates with colours, texts and images.
d) VERY GOOD – (More than 8) – The student did the extra mile and really made a great effort to make a website with lots of impressive functionalities and a very attractive interface that made it look very professional. The student also documented all the changes (functionalities, effects, and design changes) inside of the website.

Recommended links for the lab:
- [1] What is Bootstrap? An Awesome Beginners Guide

- [2] [24 Sites to Find Free Images You Would Actually Use for Your Marketing](#)
- [3] [Simulating mobile resolution in a section of a webpage](#)
- [4] [Working with Bootstrap 4 Responsive Layout](#)
- [Learn Bootstrap in 5 minutes | Responsive Website Tutorial | Code in 5](#)
- [W3Schools Bootstrap 3 Tutorial](#)

Penalizations per time:
- 0 to 1 hour: 5% of penalization.
- 1 hour to 1 day: 10% of penalization.
- 1 to 2 days: 20%, 2 to 3 days: 30%, 3 to 4 days: 40%, 4 to 5 days: 50%.
- After 5 days assignments won't be accepted