FIRST TERM PROJECT

This project consists of creating a website on a topic you are interested in. Please share your idea to the teacher before starting.

Examples and types of websites:

https://blog.hubspot.com/blog/tabid/6307/bid/34006/15-examples-of-brilliant-homepage-design.aspx

https://www.shopify.com/blog/11863377-30-beautiful-and-creative-ecommerce-website-designs

Once the website is finished, you must create an account on a free hosting site and upload your website.

Requirements of the website

HTML

1. The website will have 3 web pages linked to each other: 1 using only CSS styles, 1 with only Bootstrap formatting, and 1 using both formats.
2. The website will be created with HTML5 and all the pages must be valid (Check with W3C validator)
3. The layout of the pages created will have at least the following components:

   - Header including all the invariable elements at the top of the page (logo, image or banner, search box, etc.)
   - Main content of the page (section for news, items, products, etc. depending on the type of website created).
   - Navigation menu
   - Footer including all the invariable elements of the bottom of the page (copyright notice, privacy policy, terms of use, etc.)
   - Sidebar grouping elements in the lateral columns of the page.

4. At least one page will have links to the same page (bookmarks).
5. There will be text and image links to external pages.
6. There will be ordered and unordered lists.
7. Images, videos, audios will be included.
8. There will be at least one table.
9. There will be at least one form that can send data to a server (use the jkorpela one for checking). It will have at least 5 different controls.

Templates are not allowed. You can only use them as a learning tool.

CSS3

1. The pages will have the fonts imported.
2. Use of the opacity property to see different layers overlapping.
3. Use of the opacity property to make elements fade in or fade out.
4. Generate menus, boxes, etc. with edges other than squares by using border-radius property
5. Use gradient property for some background or box
6. Use of the transform, transition, and animation functions to generate dynamic content on the webpages:
   - An enlargement or zoom in effect on a set of images
   - Rotation of images
   - Make the shape of an element change once it is selected.
7. Use any other effect you like and do not forget to mention it in the pdf document.

Bootstrap

Your site will include at least:

- Basic grid system. The layout of the page has to be different depending on the size of the device (large, medium, and small at least)
- Bootstrap image gallery
- Bootstrap collapse element
- Dropdown menu
- Tabs, pills and/or navbars
- Photo Carousel
- Tooltip/popover

Document to submit

Submit a pdf document containing the following sections:

- Short description of the site
- List of extras (Non requested HTML elements, CSS properties or BS classes)
- The URL of the page where your website is hosted.
- Screenshots verifying the validation of each page (the URL of the page must be visible).
- The document name will be: ProjectML + Your name.

Note: No Javascript will be accepted. New project requirements may be added.