Fitxa activitat

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Cicle: Disseny d'Aplicacions Web
Mòdul: Disseny d'Interfícies Web
Unitat Formativa: Disseny de la Interfície Web. Estils

Learning objectives:

By the end of this activity the student should be able to:

- Unknow how a website works.
- Interpret an HTML and CSS files.
- Build a simple web page.
- Inspect a web page.
- Design a website and its layouts.

Introduction:

When we go to a URL, the browser looks for the server to go to and requests a file. Generally, if not specified, the browser requests a file called index.html. Realice that this file has the .html extension. Webpages are made with a tag language, called HTML, and we must use the 5th version. HTML5 is the latest and greatest version of HTML, because it implements many improvements over the previous ones. For this reason, we're going to work on it.

This video includes an introduction to HTML5.

https://www.youtube.com/watch?v=9gTw2EDkaDQ&ab_channel=tutor4u

Instructions:

You need to work individually. You have 5 sessions to do all the work. Each session takes 2 hours.

1. Read the words (5 minutes).
2. Read the questions in exercise 2 (5 minutes).
3. Go to the video and complete the questions (10 minutes).
4. Make a webpage following the videos (10 hours).

You must attach to Moodle:
   - This PDF document with the answers to the questions in section 2
   - The HTML and CSS file you done.

Activity:

HTML5 basics

1. Read the first section and make sure you understand all the meanings of the words. Ask the teacher or search the web if you don't understand a word.

HyperText Markup Language, browser, text editor, tag, element, attribute, file, extension, refresh.

2. Go to the video (link above, in the Introduction section) and complete the following questions before the video ends (during the video).

2.1. Correct the false sentences:

- The video element is new to HTML5, but the audio element is from before.
  _____
  _____

- The tag is written between <>.
  _____

- The elements are the part between the start and end tags.
  _____

- Attributes go within the end tags.
  _____

- Indention is required.
  _____

- <!DOCTYPE html> is at the beginning of the HTML5 document.
  _____

2.2. Which 2 elements are inside the <html> </html> element (almost always)?
_____
_____

3. Play the following videos (next playlist) and create a web page that contains an HTML file and a CSS file. This CSS file changes the look of the page.

Playlist (you just watched the first one):
https://www.youtube.com/playlist?list=PLzmyR17f55-J7oZew4QxQ7cfw7d3__ZZs

Make a web page that includes:
- Title
- Header:
    o Title text
- Main page with:
    o 2 paragraphs, you can use Lorem ipsum for each one:

> Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

    o 2 images.
    o 1 unordered list:
        ▪ 2 links (https://google.com/ & https://www.tricric.cat/) as list items.
    o 1 ordered list with:
        ▪ 2 anchors (1 for each paragraph) as list items.
    o 1 video (Youtube, Drive, MEGA, embedded, …).
    o 1 playable audio (you can download one for free at https://freemusicarchive.org/).
    o 1 label with your full name.
- 1 css file (linked at html file):
    o Align at center the whole page.
    o All texts (except the title) must be 14px.
    o Links should be red when not selected and unvisited.

You can check in this table if your webpage has all the required elements:

Elements			Control Check
Title (title)			☐
Header	Title text (h1, h2, …)		☐
Main page	Paragraph 1 (p)		☐
	Paragraph 2 (p)		☐
	Image 1 (img)		☐
	Image 2 (img)		☐
	Unordered list (ul)	Link Google (a) as a list item (li)	☐
		Link TriCric (a) as a list item (li)	☐
	Ordered list	Anchor p1 (a) as a list item (li)	☐
		Anchor p2 (a) as a list item (li)	☐
	Video (video)		☐
	Audio (audio)		☐
	Name (label)		☐
CSS	Align at center the whole page		☐
	All texts (except the title) must be 14px		☐
	Links should be red when not selected and unvisited		☐