COLEGIO NACIONES UNIDAS I.E.D.
INSTITUCIÓN EDUCATIVA DISTRITAL DE EDUCACIÓN BÁSICA, MEDIA SUPERIOR,
Aprobado según Resoluciones 10-085 DE MARZO 20 DE 2009
PEI: FORMACIÓN INTEGRAL DE LÍDERES EMPRENDEDORES, COMPETENTES, CON PRINCIPIOS DEMOCRÁTICOS,
TECNOLÓGICOS, CULTURALES Y DEPORTIVOS
LEMA: "EDUCACIÓN, CIENCIA, CULTURA Y DEPORTE PARA TRASCENDER"

TECHNOLOGY AND COMPUTING WORKSHOP 2nd. QUARTER 2024
Teacher: Javier Gasca Grade 7-8

The student must copy the workshop and develop it in the notebook, it must be delivered on July 17

THE WEBPAGES

A web page is a "self-addressed" document on the World Wide Web.
1- Web pages are delivered by a web server to the user and displayed in a web browser to act as a "retrieval unit" for the information stored inside.
2- A website is made up of many web pages linked under a common domain name.
3- The name "web page" is a metaphor for the paper pages bound in a book.

Items
A web page is a structured document. The core element of a web page is a text file written in Hypertext Markup Language (HTML) that specifies the content of the web page (including links called hyperlinks) to other web resources, primarily other web pages, and to different sections of the same web page). Web multimedia content, such as images, videos and other web pages, can be directly embedded into a web page to form a composite document.

An HTML document can include separate files called cascading style sheets (CSS) (which are also text files) that specify the presentation of content on a web page. This is, in principle, an alternative to including this information directly in the HTML code.

The document may also include JavaScript or WebAssembly programs, which are executed by the web browser to add dynamic behavior to the web page:45 for example, a form that accepts user input. Web pages with dynamic behavior can function as software

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application, what is known as web applications.

Navigation

Each web page is identified by a different uniform resource locator (URL). When the user enters the URL of a web page into their browser, it downloads an HTML file from a web server and transforms all its elements into an interactive visual representation on the user's device.

If the user clicks on a hyperlink, the browser repeats this process to load the page pointed to by the hyperlink, which may be part of the current website or a different one. The browser has user interface features that indicate which page is displayed.

Types of web pages

In the digital world, there are multiple types of web pages, each with designs and functionalities adapted to specific objectives. Among the most notable are:

Corporate pages: They are the digital presentation letters of companies and institutions, housing information about their identity, mission, products or services, contact information and, often, electronic commerce platforms.

Blogs: Dynamic spaces for periodic publication, ideal for sharing specialized content, generating communities and establishing SEO positioning strategies.

Online stores or e-commerce: Designed for the purchase and sale of products or services through the Internet, integrating payment systems, inventory management and logistics.

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Portals:
They act as centralized access points to multiple web resources and services, such as news, email, forums, search engines and social networks.
Landing pages: Landing pages with a clear and direct objective, focused on converting visitors into leads or customers, through registration forms, downloading content or promoting specific products.

Deployment
From the perspective of deploying websites on the server, there are two types of web pages: static and dynamic. Static pages are retrieved from the web server's file system without any modification, while dynamic pages must be created by the server on the fly, typically reading from a database to populate a template, before being sent to the user's browser. .

It is common for web pages to be created by "companies, [other] organizations and individuals" that seek to explain what they do to Internet users and offer various services.

HTML CODE
They are called tags and each one develops different functions, among the main ones are:
   -Headers
   -Titles
   -Types-font sizes
   -Underlined
   -Colors
   -Paragraphs
   -Hyperlinks

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-Graphics
-Selections
-Buttons
-Text Boxes

This html code is public and through these the pages are developed and designed to taste and to facilitate the tasks in which they will be used. The basic commands are:
<body> </body> in general each command opens the label and closes it with a diagonal line (/) the code that is between the opening and the closing executes the function

the label

<TITLE> </TITLE>

<P> </P>

<TABLE> </TABLE>

<B> </B>

<A> </A>

Each label also has several options such as BACKGROUND or BGCOLOR etc.

The main objective when designing the page is to have the following characteristics:

-Ease to understand its functions

-Clarity in the different tasks performed

-Ease to make required modifications at any time

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Taking into account the previous reading, answer the following questions:

1. Give the name of 3 dynamic pages with which you have interacted

That must be integrated into software to interact with information

2. The School page is dynamic or static, why?

3. Excel is a general purpose software, what would a specific purpose software be?

There are various software contexts list 2

4. The <SELECT> </SELECT> tag allows us to select elements to process in what scope?

5. The objective of information is its manipulation, which is the objective of communication

6. A web page begins to be written in software, what is it called

7. Several additional resources are used to design a web page, list 2

8. There is software to design web pages, list 2 known ones

9. The labels or commands to make web pages in what language are they written?

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10. Give 3 main characteristics of a CSS file

11. A bank's APP is a static or dynamic page, why?

12. List 2 html language tags and their respective function

13. What task does the <TABLE> </TABLE> Tag perform?

14. As described, give 3 advantages of a dynamic website

15. According to the reading, a static web page has disadvantages, list 2

16. When analyzing the operation of several well-known web pages, what do you think are their main characteristics?

17. What characteristics do you suggest so that the school page is classified as dynamic?

18. In your experience when interacting with web pages in your research, what additional functions would you add to facilitate and speed up your work?

19. Propose 3 criteria that in your opinion generate more inconveniences than advantages when interacting with web pages

20. When designing a page that contains a table of addresses, it would be easier to have an inventory of links on the Internet, which would be the 5 main ones depending on the need for use from greatest to least.