



Programación de Aplicaciones Telemáticas

TEMA 3: HTML

AGENDA

- Introducción
- ¿Que es un documento web?
- HTML
- Estructura de un documento web
- Contenido
- Layout
- Interacción
- Seguridad
- Referencias

INTRODUCCIÓN

La web permite interaccionar con Humanos y Maquinas a través del protocolo HTTP.

¿QUE ES UN DOCUMENTO WEB?

Los documentos web componen la unidad minima de informacion que permite intercambiar un Servidor Web con un Cliente Web a traves de una peticion Http.

Un documento web se compone de:

- HTML
- CSS
- Javascript

¿QUE ES UN DOCUMENTO WEB?

Un documento tambien puede incluir:

- Imagenes
- Video
- Objetos hipermedia incluidos (PDF, otros...)

HTML

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

ESTRUCTURA DE UN DOCUMENTO WEB

- Head
- Body

HEAD

The HTML `< head >` element contains machine-readable information (metadata) about the document, like its title, scripts, and style sheets.

HEAD

Example: `view-source:https://as.com/`

```
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<meta name="robots" content="index, follow">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>AS.com - Diario online deportivo. Fútbol, motor y mucho más
<meta http-equiv="Refresh" content="900000; url=//as.com/?omni">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="Description" content="Últimas noticias de deportes y actualidad
<meta property="og:title" content="AS.com - Diario online deportivo"
<meta property="og:type" content="website">
<meta property="og:description" content="Últimas noticias de deportes y actualidad"
```

```
<style type="text/css"></style>  
<script language="javaScript" type="text/javascript"></script>
```

BODY

The HTML `< body >` Element represents the content of an HTML document. There can be only one `< body >` element in a document.

CONTENIDO

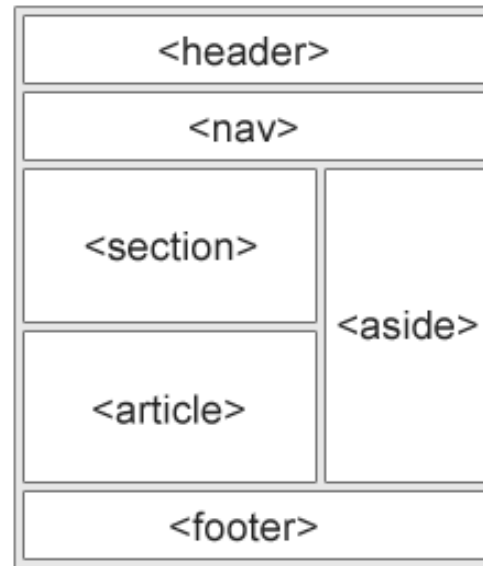
En un documento web se pueden añadir:

- Titulos
- Parrafos
- Tablas
- Imagenes/Videos
- Formularios Web

LAYOUT

- `< header >` - Defines a header for a document or a section
- `< nav >` - Defines a set of navigation links
- `< section >` - Defines a section in a document
- `< article >` - Defines an independent, self-contained content
- `< aside >` - Defines content aside from the content (like a sidebar)
- `< footer >` - Defines a footer for a document or a section

LAYOUT



LAYOUT TECHNIQUES

- CSS framework
- CSS float property
- CSS flexbox
- CSS grid

INTERACCIÓN

Web forms are one of the main points of interaction between a user and a web site or application. Forms allow users to enter data, which is generally sent to a web server for processing and storage (see Sending form data later in the module), or used on the client-side to immediately update the interface in some way (for example, add another item to a list, or show or hide a UI feature).

INTERACCIÓN

CONTACT

Name:

E-mail:

Message:

SEND YOUR MESSAGE

INTERACIÓN

```
<form action="/my-handling-form-page" method="post">  
</form>
```

INTERACIÓN

```
<form action="/my-handling-form-page" method="post">
  <ul>
    <li>
      <label for="name">Name:</label>
      <input type="text" id="name" name="user_name">
    </li>
    <li>
      <label for="mail">E-mail:</label>
      <input type="email" id="mail" name="user_email">
    </li>
    <li>
      <label for="msg">Message:</label>
      <textarea id="msg" name="user_message"></textarea>
    </li>
  </ul>
```

SEGURIDAD

- HTML
- CSS

SEGURIDAD

HTML

- XSS
- Self-executing
- JavaScript execution
- Passive JavaScript execution
- HTML comment parsing issues
- Iframes
- Link hijacking

REFERENCIAS

- <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/head>
- <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/body>
- https://www.w3schools.com/html/html_layout.asp