SESIÓN 03

DISEÑO WEB RESPONSIVE

ISIL

01 | ESTRUCTURA SEMÁNTICA HTML

Layout

Esquema de **distribución** de los elementos dentro de una página web. Una serie de bloques de dimensiones específicas en los que se colocará el contenido.

Los bloques de elementos de un layout web se trazan con elementos semánticos.

Elementos semánticos

Elemento que **describe** claramente **su** **significado** tanto para el **navegador** como para el **desarrollador**.

Elementos no semánticos

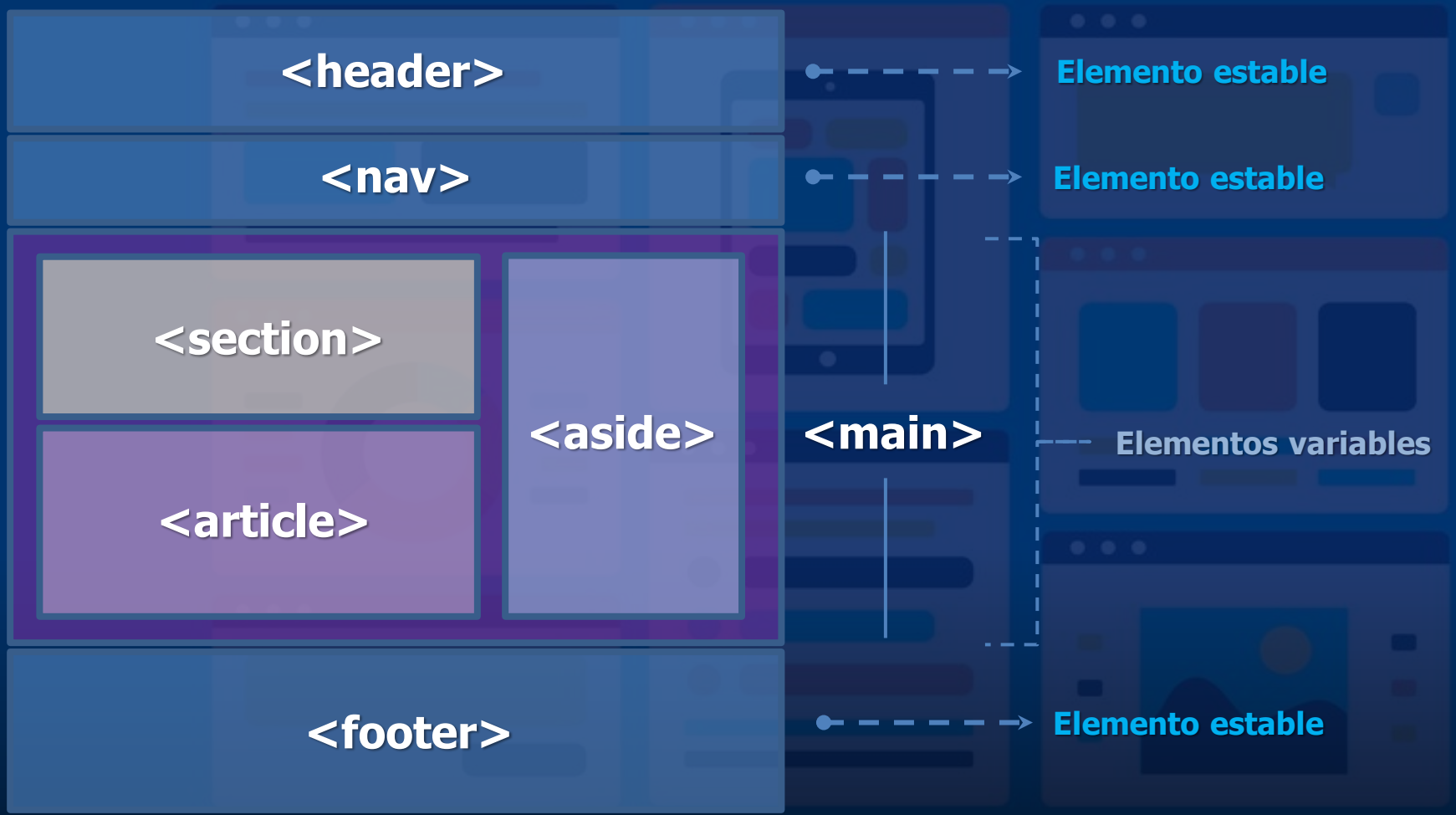
Elementos semánticos

<nav>

<article>

Elementos semánticos HTML

Se usan para definir diferentes **partes de la estructura** de una página web.

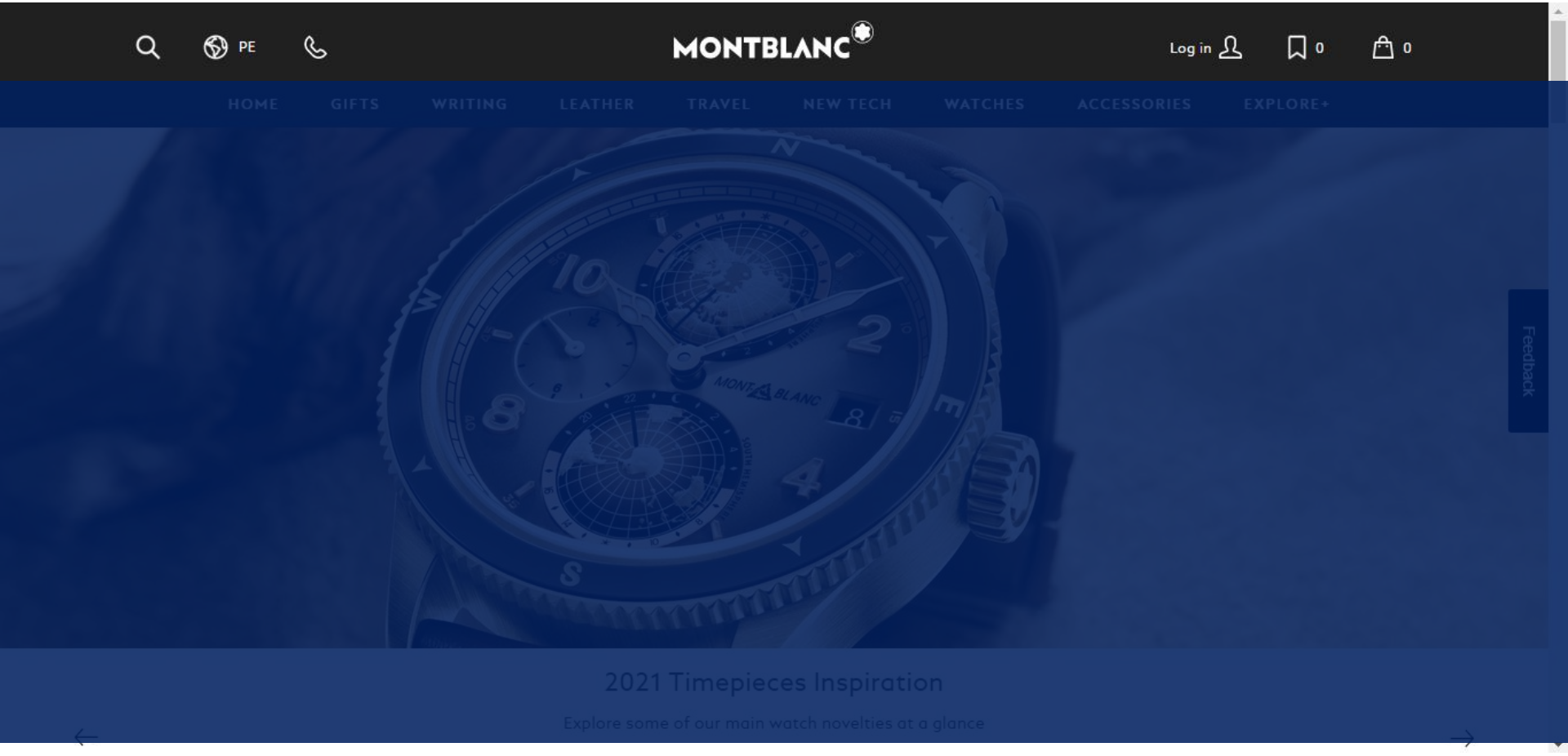

<header>
<nav>
<section>
<article>
<aside>
<main>
<footer>
Elemento estable
Elemento estable
Elementos variables
Elemento estable

<header>

Cabecera

Contenedor para **contenido introductorio** o un conjunto de enlaces de navegación.

```
<article>
  <header>
    <h1> WWF </h1>
    <h2> Mission </h2>
  </header>
  <p> WWF's mission is to stop the degradation of our planet's natural environment. </p>
</article >
```



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ABOUT THE AUTHOR

Ismael has been working during the last 13 years inside design teams in small and big sized companies from many different sectors like news media, design … More about Ismael ↬

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8 min read

Design, Workflow, Communication

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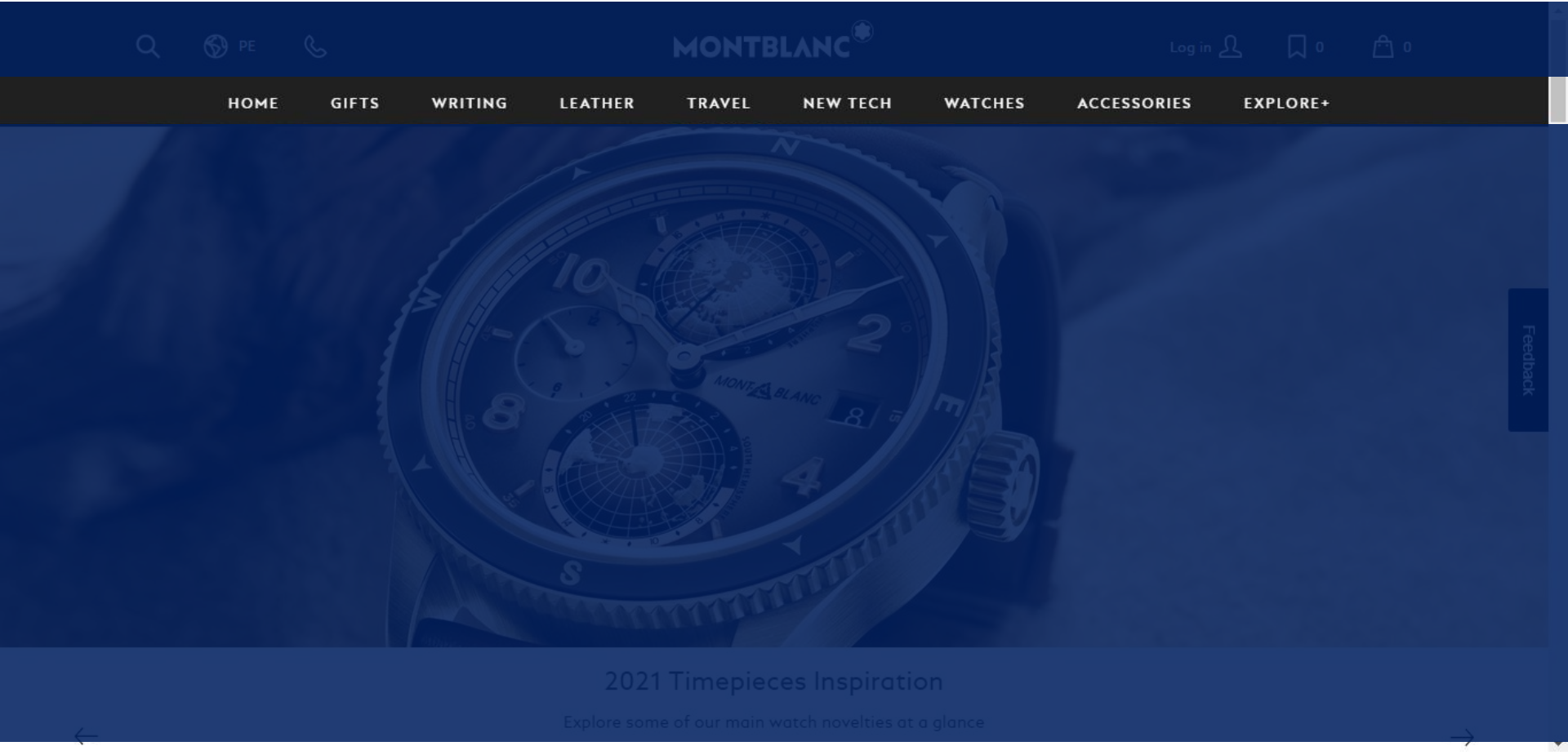
<nav>

Navegación

Destinado solo para el **bloque principal** de enlaces de navegación.

```
<nav>
    <a href="/html/"> HTML </a>
    <a href="/css/"> CSS </a>
    <a href="/js/"> JS </a>
    <a href="/jquery/"> JQUERY </a>
</nav >
```



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<footer>

Pie de página

Contiene información de autoría, información registrada, contacto, mapa del sitio y documentos relacionados.

```
<footer>
    <p> Author: Hege Refnes. </p>
    <p><a href="mailto:hr@oa.com">
        hr@oa.com </p>
</footer >
```

Order Assistance

- Shipping & Delivery
- Returns & Exchange
- Engraving & Embossing
- Gift Wrapping
- Follow your Order
- Return Form
- Follow your Return

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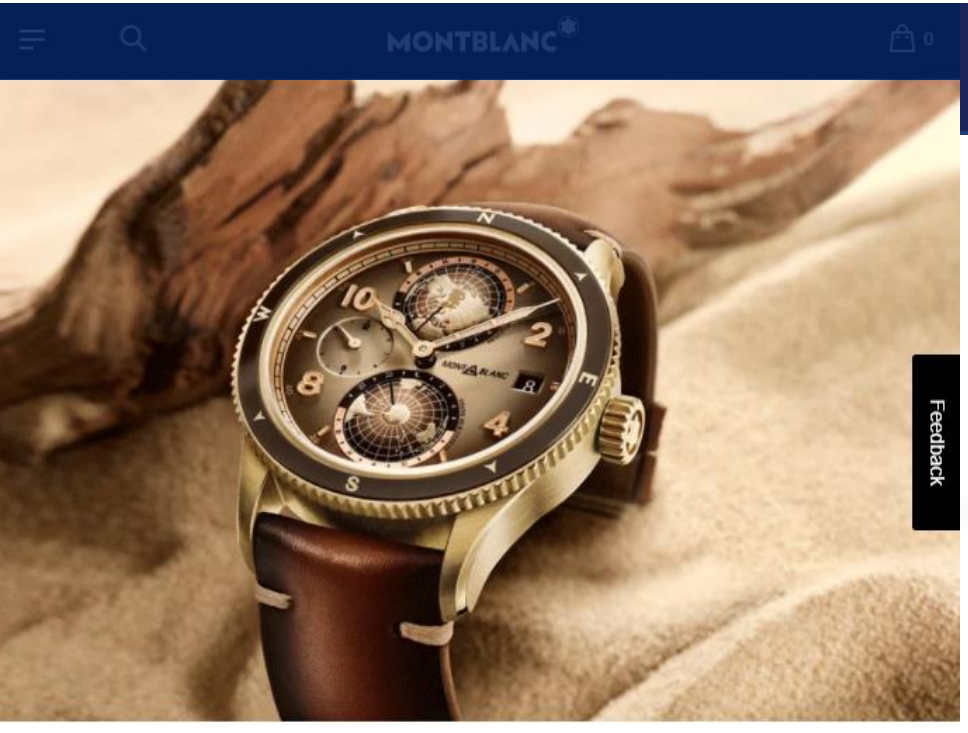
<main>

Contenido principal

Contenedor **exclusivo** del documento. No debe haber más de un elemento <main> en un documento.

```
<main>
  <article>
    <header>
        <h1> WWF </h1>
        <h2> Mission </h2>
    </header>
     <p>  WWF's mission is to stop the degradation of our planet's natural environment. </p>
  </article >
</main>
```



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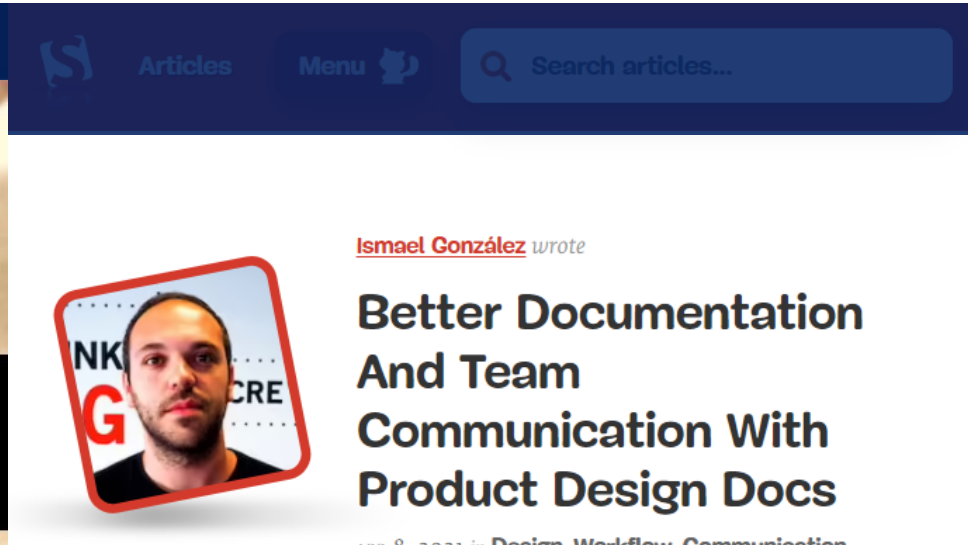

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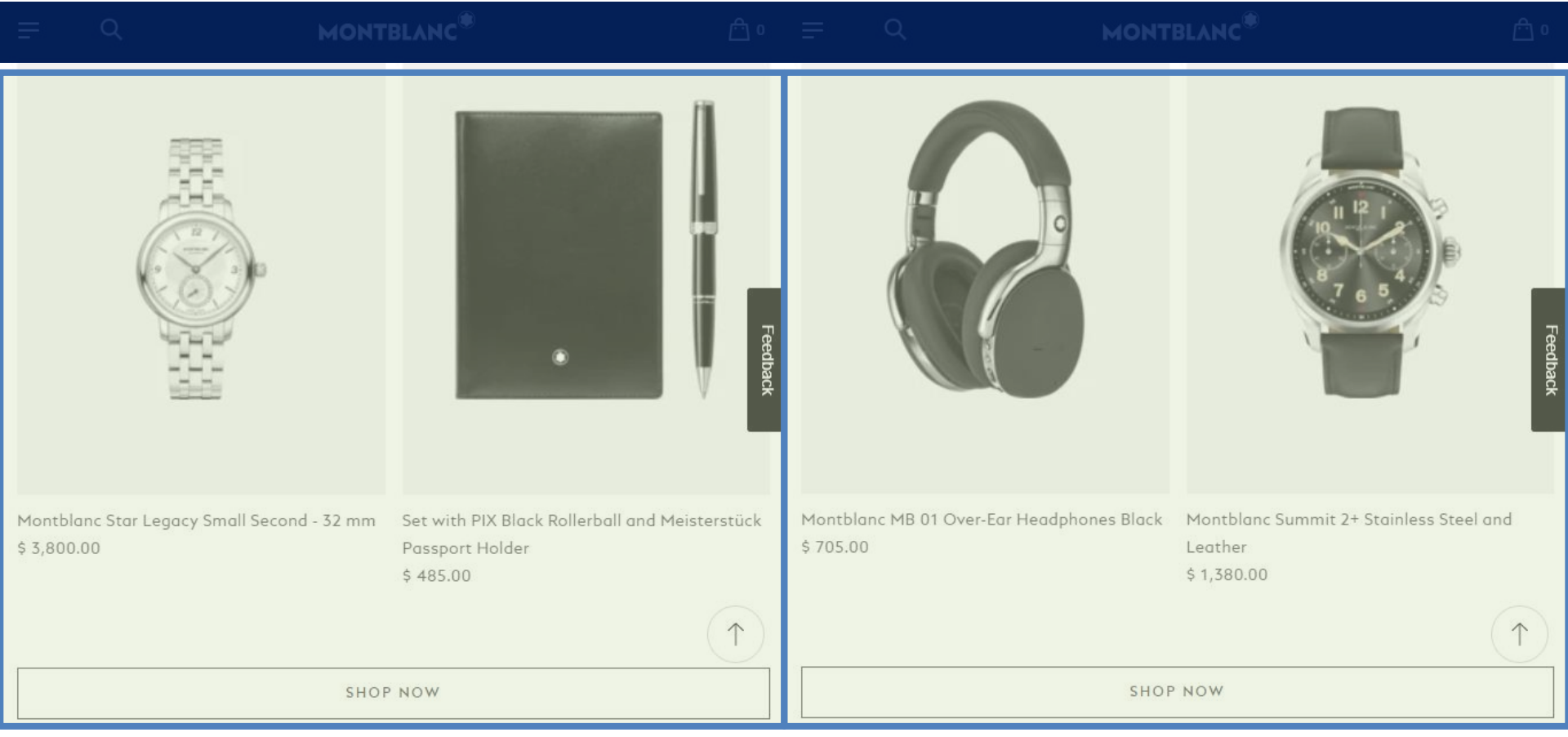
<section>

Sección de documento

Agrupación temática de contenido, normalmente con un encabezado.

```
<section>
    <h1> WWF </h1>
    <p> The World Wide Fund for Nature (WWF) is an international organization </p>
</section >
<section>
    <h1> WWF Logotype </h1>
    <p> The Panda has become the symbol of WWF, that name is Chi Chi. </p>
</section >
```



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<article>

Artículo de documento

Especifica **contenido autónomo**, con sentido por sí solo y se puede distribuir independientemente del resto del sitio web.

```
<article>
    <h2> Google Chrome </h2>
    <p> Google Chrome is a web browser developed by Google. </p>
</article>
<article>
    <h2> Mozilla Firefox </h2>
    <p> Mozilla Firefox is an open-source web browser developed by Mozilla. </p>
</article >
```

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<aside>

Barra lateral

Muestre contenido **adicional** además del contenido en el que está colocado.

```
<p>
    Google Chrome is a web
    browser developed by Google.
</p>
<aside>
    <h4> Google </h4>
    <p>  Chrome is the world's
    most popular web browser
    today!. </p>
</aside >
```

PE

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Gifts For Him

FILTER

48 Items

- [ ] Available Online

Sort —

- ( ) Price High to Low
- ( ) Price Low to High

Category +

Product Type +

Colour +

Meisterstück Platinum-Coated Classique Ballpoint Pen

$ 510.00

Montblanc Summit Lite Black and Rubber Strap

$ 1,015.00

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$ 1,305.00

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02 | RESPONSIVE DESIGN

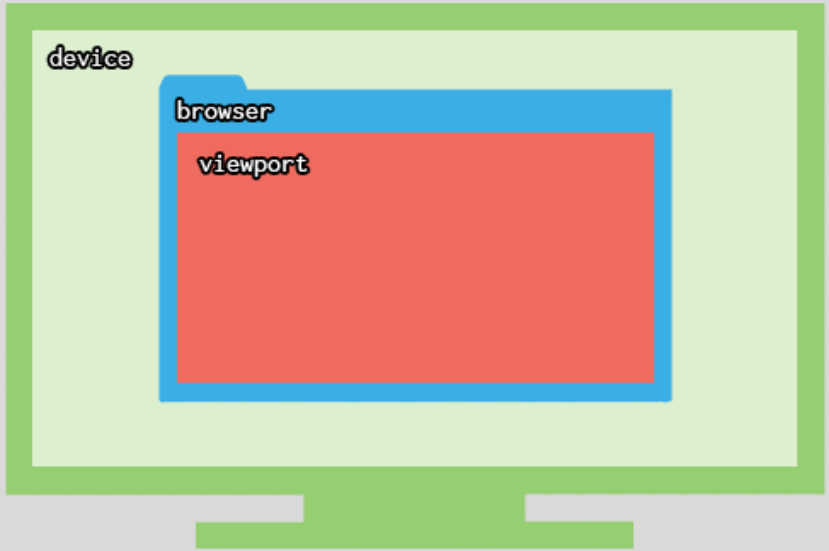
Responsive Web Design

Usa HTML y CSS para **ajustar automáticamente** la estructura y los contenidos de un sitio web a cualquier dispositivo desde el cual acceda el usuario.

Ventana gráfica

Viewport

Usando la etiqueta **<meta>** da al navegador instrucciones sobre cómo controlar las **dimensiones** y la **escala** de la página.



w3schools/HTML Responsive

Ventana gráfica

Viewport

```
<head>
    <meta name="viewport" content="width=device-width,
    initial-scale=1">
</head>
```

w3schools/HTML Responsive

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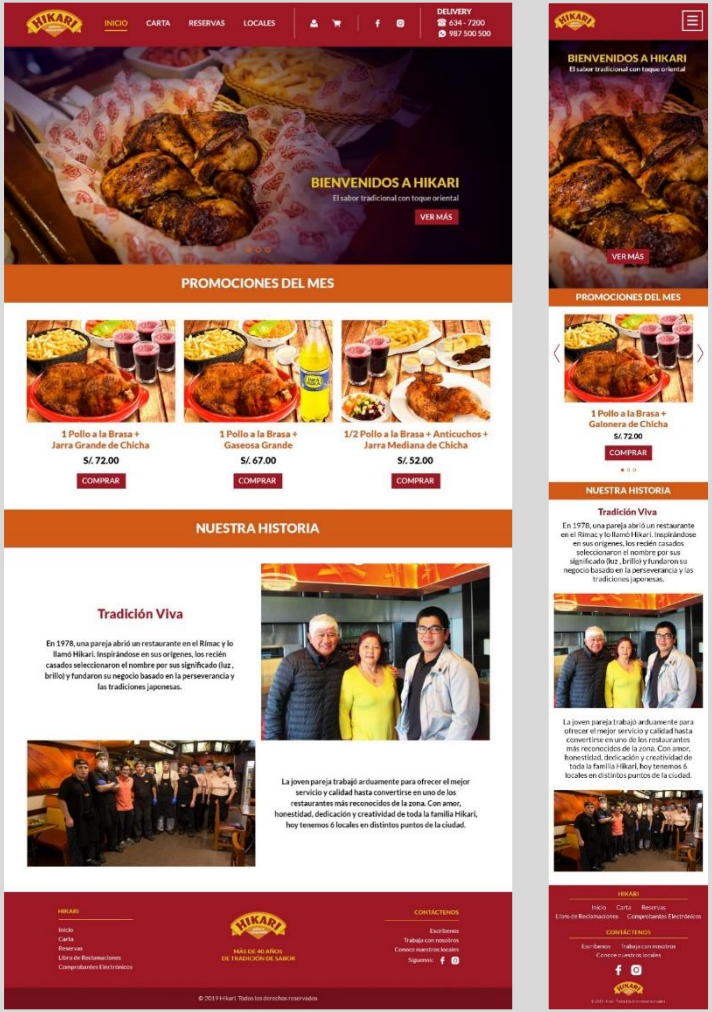
CSS · Responsive Website

Media Queries

Conjunto de reglas que aplica diferentes estilos a diferentes tipos de medios o dispositivos, lo que asegura su **adaptabilidad**.

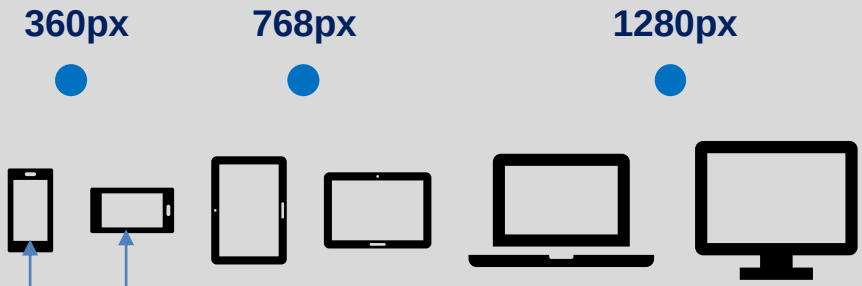
w3schools/CSS Media Queries



Ancho de referencia

Breakpoints

Permiten adaptar el website a un **dispositivo concreto** a través de **condiciones específicas asignadas**.



CONDICIONES:

- Ancho y alto del **dispositivo**
- **Orientación** del dispositivo
  - Portrait (vertical)
  - Landscape (horizontal)

w3schools/CSS Media Queries

Media Queries

@media

```
@media screen and (max-width: 768px) {
        CSS Rule 1 { ... }
        CSS Rule 2 { ... }
        ...
}
```

w3schools/CSS Media Queries

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CSS Responsive
RWD Intro
RWD Viewport
RWD Grid View
RWD Media Queries
RWD Images
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RWD Templates

CSS Grid
Grid Intro
Grid Container
Grid Item

CSS Examples
CSS Templates
CSS Examples
CSS Quiz
CSS Exercises
CSS Certificate

Responsive Web Design - Media Queries

‹ Previous Next ›

What is a Media Query?

Media query is a CSS technique introduced in CSS3.

It uses the `@media` rule to include a block of CSS properties only if a certain condition is true.

Example

If the browser window is 600px or smaller, the background color will be lightblue:

```
@media only screen and (max-width: 600px) {
  body {
    background-color: lightblue;
  }
}
```

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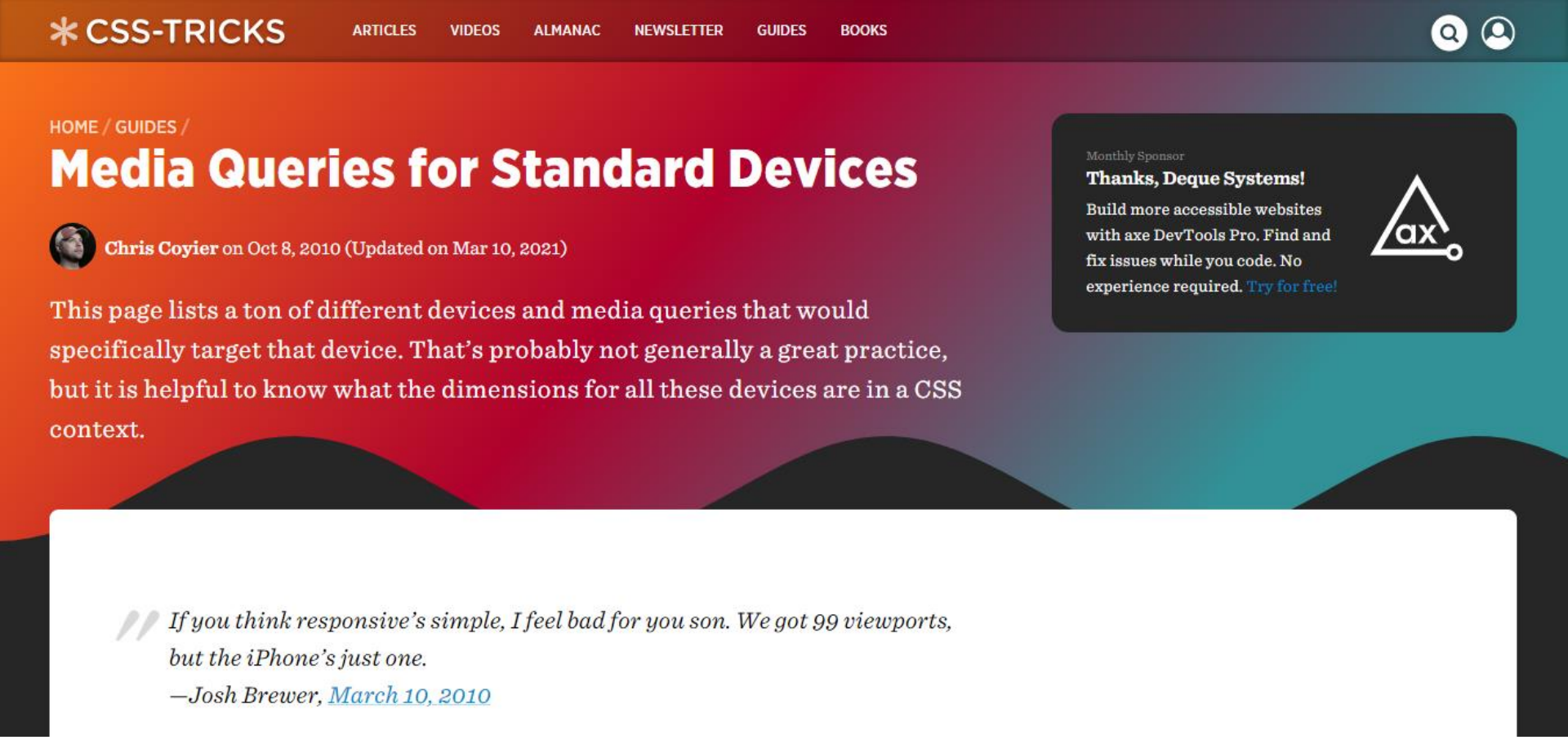

CSS - Tricks

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media queries for common device breakpoints

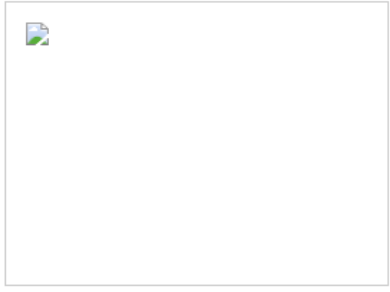
Home > Develop > Browser feature support > media queries for common device breakpoints

EXPLORE

Develop

- **CSS**
- **Frameworks**
- **Javascript**
- **Browser feature support**
- **Responsive Media**

The @media query is 1/3 of the recipe for responsive design. It is the **key** ingredient that, in it's simplest form, allows specified CSS to be applied depending on the device and whether it matches the media query criteria.



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Responsive Design Is

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Media Queries

Breakpoints

```
@media screen and (max-width: 414px) { }
@media screen and (max-width: 768px) { }
@media screen and (max-width: 1024px) { }
@media screen and (max-width: 1280px) { }
```

w3schools/CSS Media Queries

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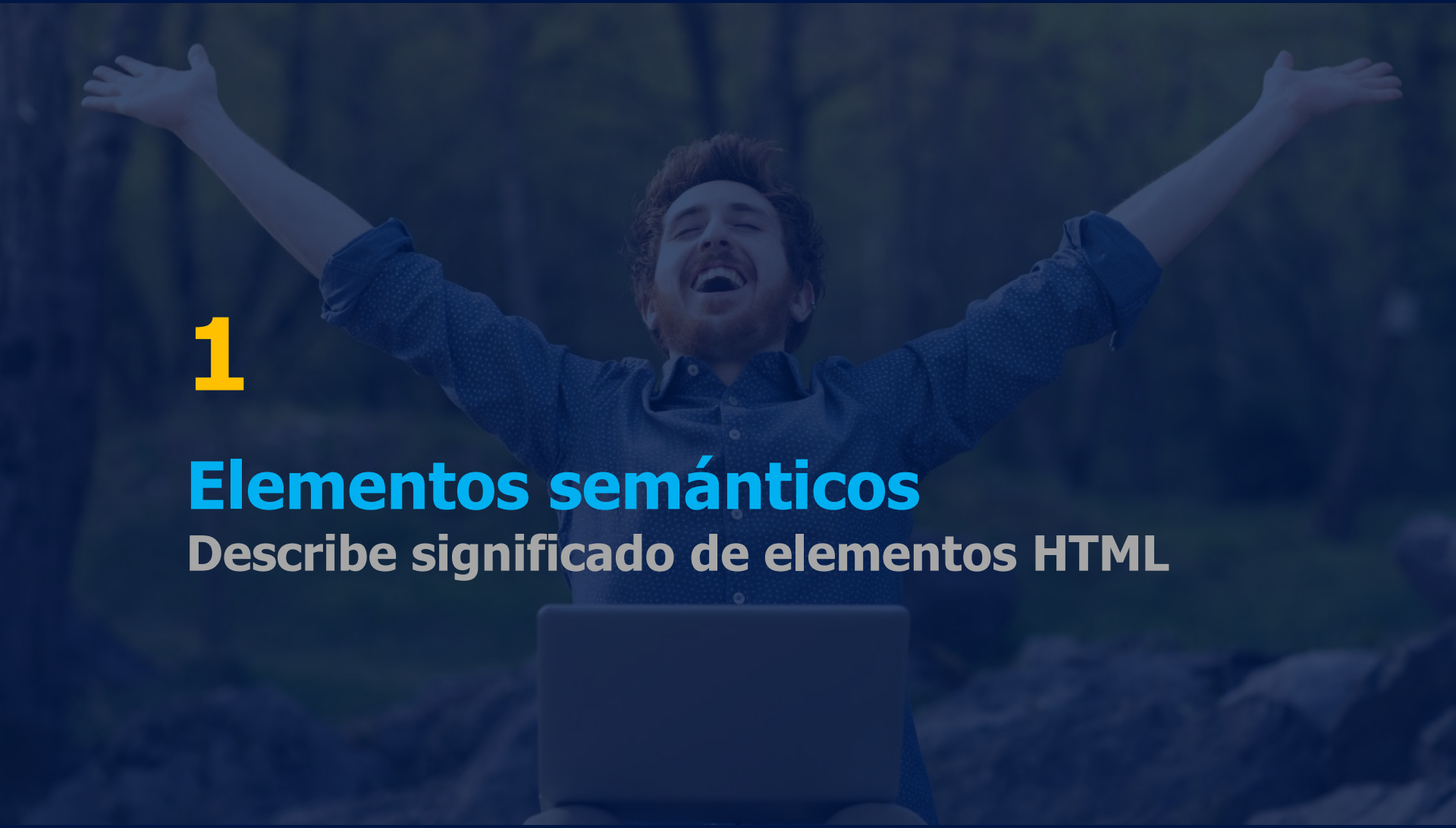
CONCLUSIONES



1

Elementos semánticos

Describe significado de elementos HTML

2

Elementos estables

header, nav, footer

3

Elementos variables

main, article, section

4

Responsive design HTML

viewport para la etiqueta <meta> define las características del navegador al momento de cargar el website.

5

Responsive design CSS

Estilos @media especifican los breakpoints en los cuales debe producirse la adaptación a las condiciones de los dispositivos.

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