

# BOOTSTRAP 5.0

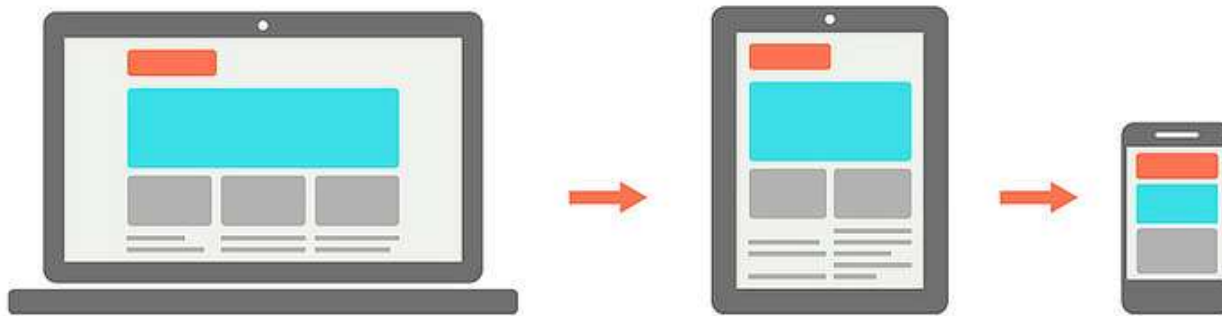
## [getbootstrap.com](https://getbootstrap.com)



ES UN **FRAMEWORK** DE DESARROLLO DE **FRONTEND** QUE SOLUCIONA PROBLEMAS FRECUENTES PARA TRABAJAR MÁS FÁCIL Y RÁPIDAMENTE

PERMITE CREAR DISEÑO RESPONSIVE, **BROWSER CROWSSING** Y ADEMÁS BRINDA **TEMPLATES** DE ELEMENTOS HTML, CARRUSEL, VENTANAS MODALES Y OTROS **PATRONES DE DISEÑO WEB.**

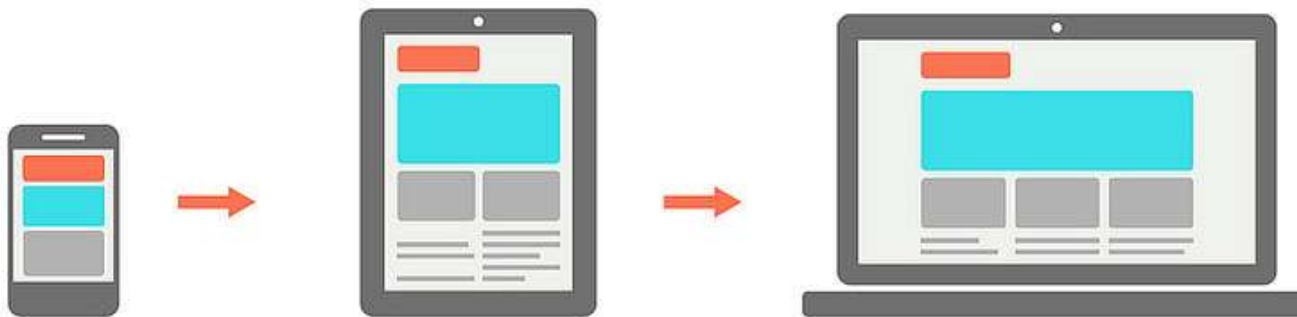
---



Responsive Web Design

---

Mobile First Web Design



CSS DE BOOTSTRAP, EN EL HEAD ANTES DE LAS DEMÁS CSS:

```
<link  
href=https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css  
rel="stylesheet" integrity="sha384-  
evstqn3/azprg1anm3qdgplim9nao0yz1ztcqtwfspd3yd65vohhp uucomlasjc"  
crossorigin="anonymous">
```

CARACTERÍSTICAS RESPONSIVE

---

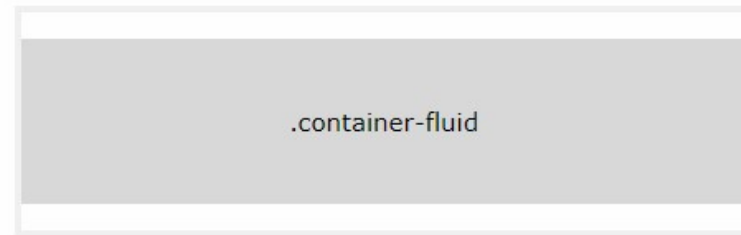
```
<meta name="viewport"  
content="width=device-width, initial-scale=1">
```

JS DE BOOTSTRAP, EN EL BODY, ANTES DE LA ETIQUETA DE CIERRE

```
<script  
src=https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js integrity="sha384-mrcw6zmfylzcla8nl+ntuvf0sa7msxsp1uyjomp4yleunsfap+jcxn/twtiaxvxm"  
crossorigin="anonymous">  
</script>
```

---

# CONTENEDORES



---

```
<DIV CLASS="CONTAINER">  
  <H1>BIENVENIDOS</H1>  
  <P>ESTAMOS APRENDIENDO</P>  
</DIV>
```

```
<DIV CLASS="CONTAINER-FLUID">  
  <H1>BIENVENIDOS</H1>  
  <P>ESTAMOS APRENDIENDO</P>  
</DIV>
```

## **TABLAS - GRILLAS**

### **FILAS (ROW) - COLUMNAS (COL)**

```
<DIV CLASS="ROW">
```

```
  <DIV CLASS="COL" > COLUMNA 1 </DIV>
```

```
  <DIV CLASS="COL" > COLUMNA 2 </DIV>
```

```
</DIV>
```

---

TABLAS: por defecto bootstrap ordena una fila sobre otra al 100% de la pantalla.

```
<body>

<div class="container-fluid">
  <h1>Bienvenidos!</h1>
  <p>Estamos aprendiendo</p>
  <div class="row">
    <div style="background-color:lavender;">columna 1</div>
    <div style="background-color:lavenderblush;">columna 2</div>
  </div>
</div>

</body>
</html>
```

# Bienvenidos!

Estamos aprendiendo

columna 1

columna 2



## GRILLADO: pero se pueden acomodar los elementos de acuerdo a un grillado de hasta 12 columnas

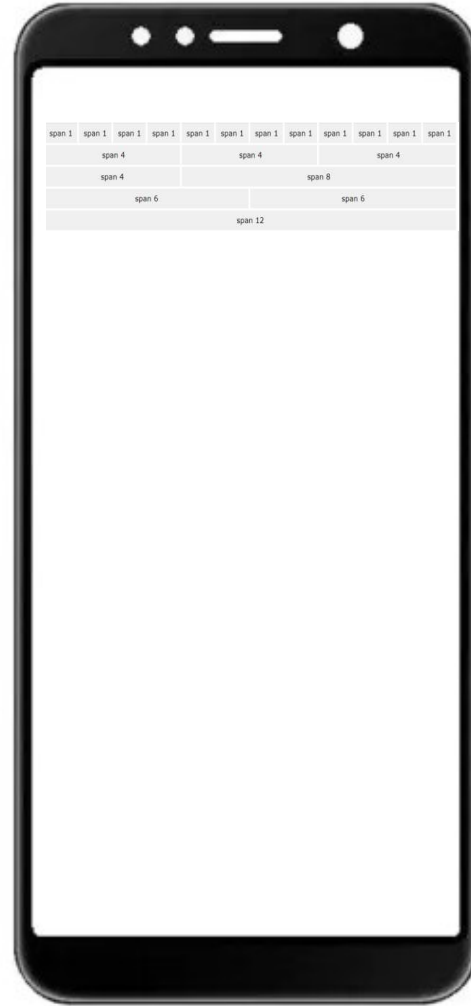
span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1
span 4				span 4				span 4			
span 4				span 8							
span 6						span 6					
span 12											

# USANDO LA GRILLA

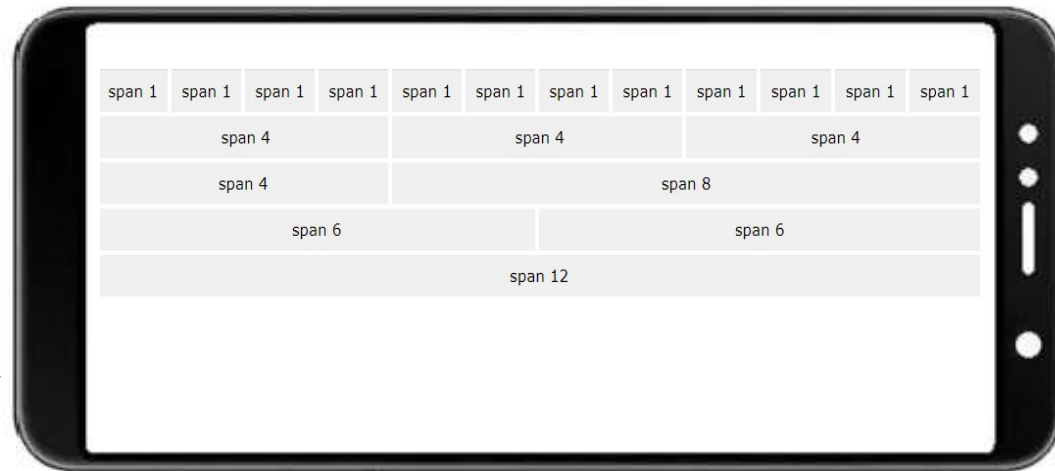
---

```
<DIV CLASS="ROW">  
  <DIV CLASS="COL-4" > COLUMNNA 1 </DIV>  
  <DIV CLASS="COL-8" > COLUMNNA 2 </DIV>  
</DIV>
```

L  
A  
N  
D  
S  
C  
A  
P  
E



# PORTRAIT



# ELEGIR BREAKPOINTS

SI QUIERO GRILLAR, DEBO DECIRLE A PARTIR DE QUE **MEDIDA**

X-Small	<i>None</i>	<576px
Small	<i>sm</i>	≥576px
Medium	<i>md</i>	≥768px
Large	<i>lg</i>	≥992px
Extra large	<i>xl</i>	≥1200px
Extra extra large	<i>xxl</i>	≥1400px

POR EJEMPLO, A PARTIR DE LA MEDIDA **SM** QUIERO CAMBIAR EL GRILLADO Y QUE DEJE DE SER 1 SOBRE OTRO

```
<DIV CLASS="ROW">  
  <DIV CLASS="COL-4">COLUMNA 1</DIV>  
  <DIV CLASS="COL-8">COLUMNA 2</DIV>  
</DIV>
```

```
<DIV CLASS="ROW">  
  <DIV CLASS="COL-SM-4">COLUMNA 1</DIV>  
  <DIV CLASS="COL-SM-8">COLUMNA 2</DIV>  
</DIV>
```

---

## EJEMPLO

### MEDIDA SM Y SUPERIORES

.col-sm-4

.col-sm-8

### MEDIDA MENOR QUE SM (XS)

---

.col-sm-4

.col-sm-8

## **ETIQUETAS CON FORMATOS ESPECIALES**

<SMALL>

<MARK>

<ABBR>

<BLOCKQUOTE> (O .BLOCKQUOTE-REVERSE)

<DT><DL>

<CODE>

<KBD>

---

<PRE>





## COLORES DE TEXTO

.TEXT-MUTED

This text is muted.

.TEXT-PRIMARY

This text is important.

.TEXT-SUCCESS

This text indicates success.

.TEXT-INFO

This text represents some information.

.TEXT-WARNING

This text represents a warning.

.TEXT-DANGER

This text represents danger.

## CLASSES

`.BG-PRIMARY` This text is important.

`.BG-SUCCESS` This text indicates success.

`.BG-INFO` This text represents some information.

`.BG-WARNING` This text represents a warning.

`.BG-DANGER` This text represents danger.

---

## CLASES PARA COLORES DE FONDO

`.BG-PRIMARY` This text is important.

`.BG-SUCCESS` This text indicates success.

`.BG-INFO` This text represents some information.

`.BG-WARNING` This text represents a warning.

`.BG-DANGER` This text represents danger.

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[https://www.w3schools.com/booTsTrap/bootstrap\\_ref\\_css\\_text.asp](https://www.w3schools.com/booTsTrap/bootstrap_ref_css_text.asp)

|                  |  |
|------------------|--|
| .lead            | Resalta tamaño   |
| .small           | Achica tamaño(85% del tamaño del padre)                                    |
| .text-left       | Alineación izquierda   |
| .text-center     | Alineación centrada  |
| .text-right      | Alineación derecha   |
| .text-justify    | Justificado  |
| .text-nowrap     | Se acomoda al contenedor   |
| .text-lowercase  | Minuscula  |
| .text-uppercase  | Mayuscula  |
| .text-capitalize | Primera letra resaltada  |
| .initialism      | Displays the text inside an <abbr> element in a slightly smaller font size |
| .pre-scrollable  | Makes a <pre> element scrollable   |

# CLASE TABLA

**.TABLE**

**.TABLE-STRIPED**

**.TABLE-BORDERED**

**.TABLE-HOVER**

| Firstname | Lastname | Email            |
|-----------|----------|------------------|
| John      | Doe      | john@example.com |
| Mary      | Moe      | mary@example.com |
| July      | Dooley   | july@example.com |

## HACER RESPONSIVE LA TABLA

.TABLE-RESPONSIVE

---

```
<DIV CLASS="TABLE-RESPONSIVE">  
  <TABLE CLASS="TABLE">  
    ...  
  </TABLE>  
</DIV>
```

# IMÁGENES

Rounded Corners:



Circle:



Thumbnail:



**.ROUNDED**

**.ROUNDED-CIRCLE**

**.IMG-THUMBNAIL**

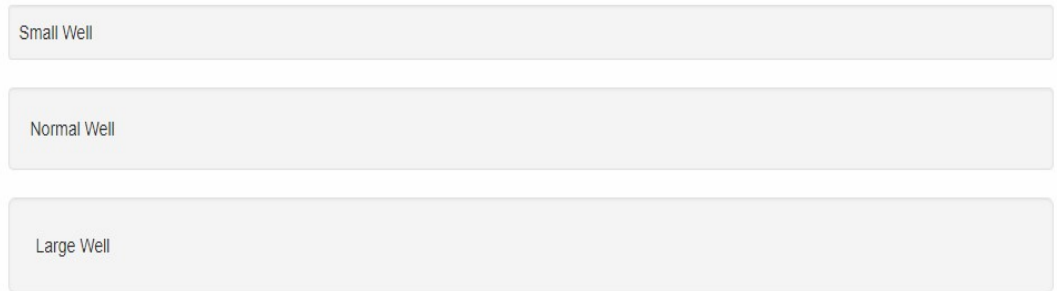
---

## IMÁGENES ADAPTABLES:

`.img-responsive`

# CAJAS

## WELL

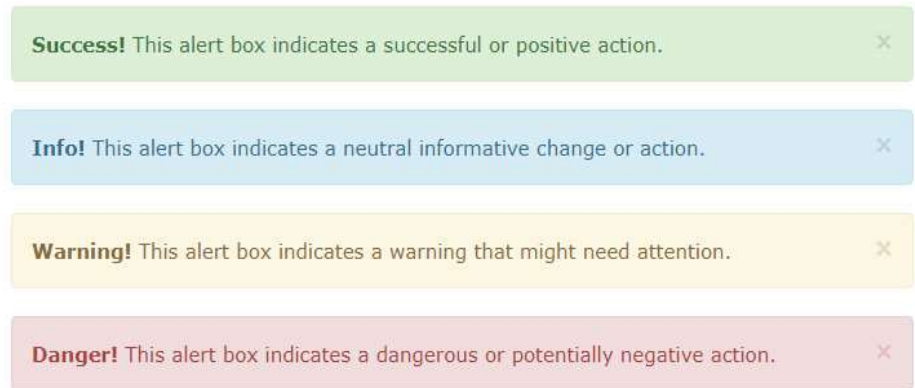


```
<div class="well well-sm">Small Well</div>  
<div class="well well-lg">Large Well</div>
```

## ALERT

```
.alert-success, .alert-info, .alert-warning  
.alert-danger
```

```
<div class="alert alert-success">  
  Algo de texto  
</div>
```



# BOTONES

## .BTN

.btn

.btn-default

.btn-primary

.btn-success

.btn-info

.btn-warning

.btn-danger

.btn-link



---

```
<button type="button" class="btn">Basic</button>
```

```
<button type="button" class="btn btn-default">Default</button>
```



## BOTONES

Apple

Samsung

Sony

### **.BTN-GROUP**

```
<div class="btn-group">  
  <button type="button" class="btn btn-primary">Apple</button>  
  <button type="button" class="btn btn-primary">Samsung</button>  
  <button type="button" class="btn btn-primary">Sony</button>  
</div>
```

---

### **variantes**

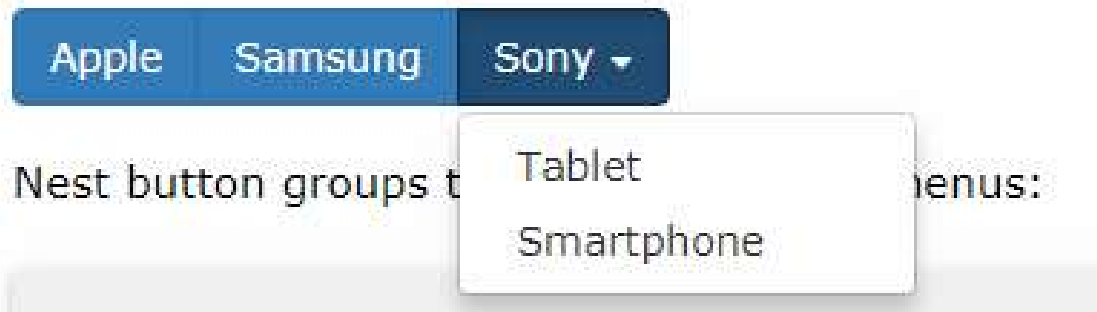
.btn-group-lg|sm|xs

.btn-group-vertical

.btn-group-justified

## BOTONES

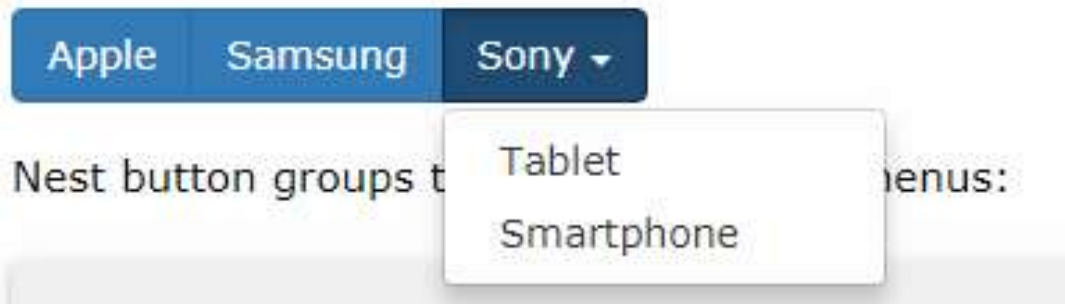
### .BTN-GROUP ANIDADADO



```
<div class="btn-group">  
  <button type="button" class="btn btn-primary">Apple</button>  
  <button type="button" class="btn btn-primary">Samsung</button>  
  <div class="btn-group">  
    <button type="button" class="btn btn-primary dropdown-toggle" data-toggle="dropdown">  
      Sony <span class="caret"></span></button>  
    <ul class="dropdown-menu" role="menu">  
      <li><a href="#">Tablet</a></li>  
      <li><a href="#">Smartphone</a></li>  
    </ul>  
  </div>  
</div>
```

**VARIANTE: dropdown-toggle**

## BOTONES



### .BTN-GROUP ANIDADADO

```
<div class="btn-group">  
  <button type="button" class="btn btn-primary">Apple</button>  
  <button type="button" class="btn btn-primary">Samsung</button>  
  <div class="btn-group">  
    <button type="button" class="btn btn-primary dropdown-toggle" data-toggle="dropdown">  
      Sony <span class="caret"></span></button>  
    <ul class="dropdown-menu" role="menu">  
      <li><a href="#">Tablet</a></li>  
      <li><a href="#">Smartphone</a></li>  
    </ul>  
  </div>  
</div>
```

### VARIANTE: dropdown-toggle

## EFECTOS ANIMADOS

### COLLAPSE (CONTENIDO DESPLEGABLE)

```
<button data-toggle="collapse" data-target="#demo">Collapsible</button>
```

```
<div id="demo" class="collapse">
```

```
  Lorem ipsum dolor text....
```

```
</div>
```

---

# ICONOS

<https://icons.getbootstrap.com/>

## OTROS

<http://www.glyphicons.com/>

<https://fontawesome.com/>

---

# Elijo el ícono que quiero utilizar

**B** Docs Examples Icons Themes Blog

Download the SVG to use or edit.

[Download SVG](#)

**Icon font**  
Using the web font? Copy, paste, and go.

```
<i class="bi bi-clock"></i>
```

**Code point**  
Unicode: U+F293  
CSS: \F293  
JS: \uF293  
HTML: &#xF293;

**Copy HTML**  
Paste the SVG right into your project's code.

```
<svg xmlns="http://www.w3.org/2000/svg" width  
<path d="M8 3.5a.5.5 0 0 0-1 0V9a.5.5 0 0 0 .  
<path d="M8 16A8 8 0 1 0 8 0a8 8 0 0 0 16z  
</svg>
```

**Examples**

🕒 Heading

🕒 Smaller heading

Inline text 🕒

Example link text 🕒

[🕒 Button](#) [🕒 Button](#) [🕒 Button](#)

🕒 🕒 🕒 🕒

# Importando en CDN

---

```
<HEAD>
```

```
<link rel="stylesheet"  
href="https://cdn.jsdelivr.net/npm/bootstrap-  
icons@1.8.3/font/bootstrap-icons.css">
```

```
</HEAD>
```

```
<BODY>
```

```
<i class="bi bi-clock"></i>
```

## [www.w3schools.com/booTsTrap](http://www.w3schools.com/booTsTrap)

BARRAS DE PROGRESO

PAGINADOS

PESTAÑAS

FORMULARIOS

[https://www.w3schools.com/booTsTrap/bootstrap\\_templates.asp](https://www.w3schools.com/booTsTrap/bootstrap_templates.asp)

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CARROUSEL

VENTANAS MODALES

TOOLTIP

MENU HAMBURGUESA



# COMPONENTES

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En su mayoría requieren de la inclusión del script de javascript ya que responden a eventos del usuario

## **Ejemplos**

CARD

MENU HAMBURGUESA

CARRUSEL

FORMULARIOS

## COMPONENTES: MENU HAMBURGUESA

```
<nav class="navbar navbar-default">
  <div class="container">
    <div class="navbar-header">
      <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a class="navbar-brand" href="#">Me</a>
    </div>
    <div class="collapse navbar-collapse" id="myNavbar">
      <ul class="nav navbar-nav navbar-right">
        <li><a href="#">WHO</a></li>
        <li><a href="#">WHAT</a></li>
        <li><a href="#">WHERE</a></li>
      </ul>
    </div>
  </div>
</nav>
```