

Bulma



Getting Started, Components and Layouts

CSS frameworks

From Wikipedia, the free encyclopedia

CSS frameworks are pre-prepared [software frameworks](#) that are meant to allow for easier, more standards-compliant [web design](#) using the [Cascading Style Sheets](#) language. Most of these frameworks contain at least a [grid](#). More functional frameworks also come with more features and additional [JavaScript](#) based functions, but are mostly design oriented and [unobtrusive](#). This differentiates these from functional and full [JavaScript frameworks](#).

Some notable and widely used examples are [Bootstrap](#) or [Foundation](#).

CSS frameworks offer different modules and tools:

- [reset style sheet](#)
- [grid](#) especially for [responsive web design](#)
- [web typography](#)
- set of [icons](#) in [sprites](#) or [icon fonts](#)
- styling for [tooltips](#), [buttons](#), elements of [forms](#)
- parts of [graphical user interfaces](#) like [accordion](#), [tabs](#), [slideshow](#) or [modal windows](#) ([Lightbox](#))
- equalizer to create equal height content
- often used css helper classes (*left*, *hide*)



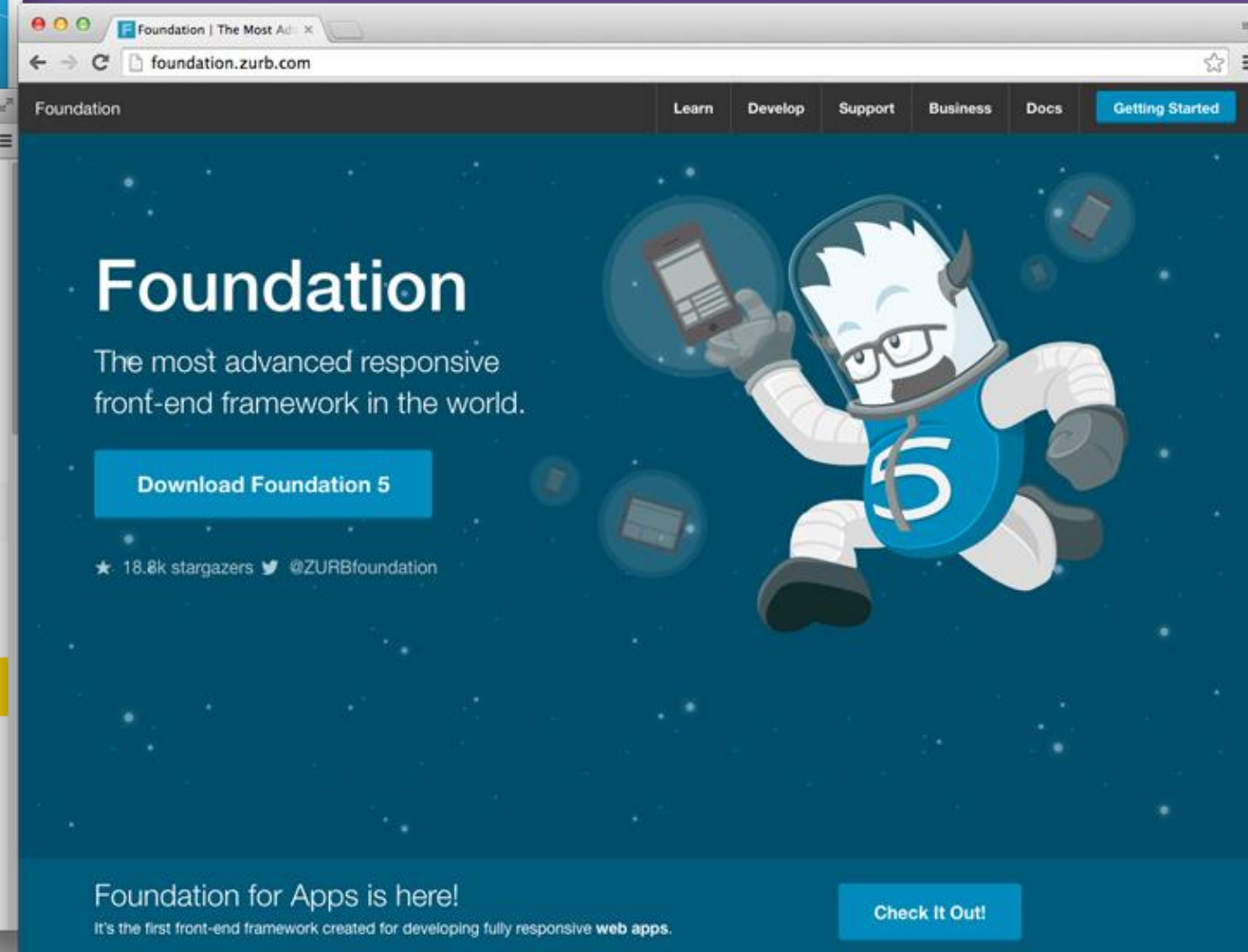
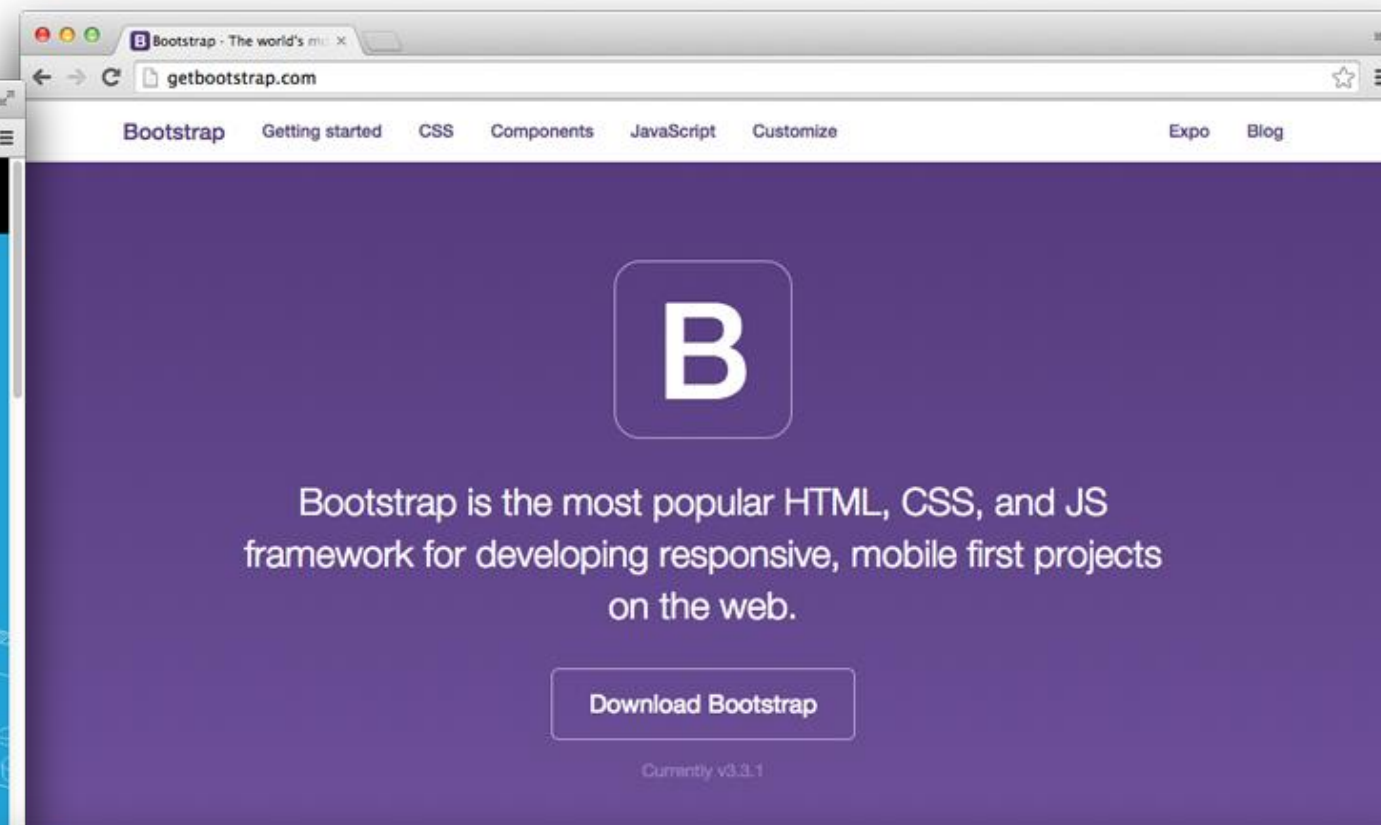
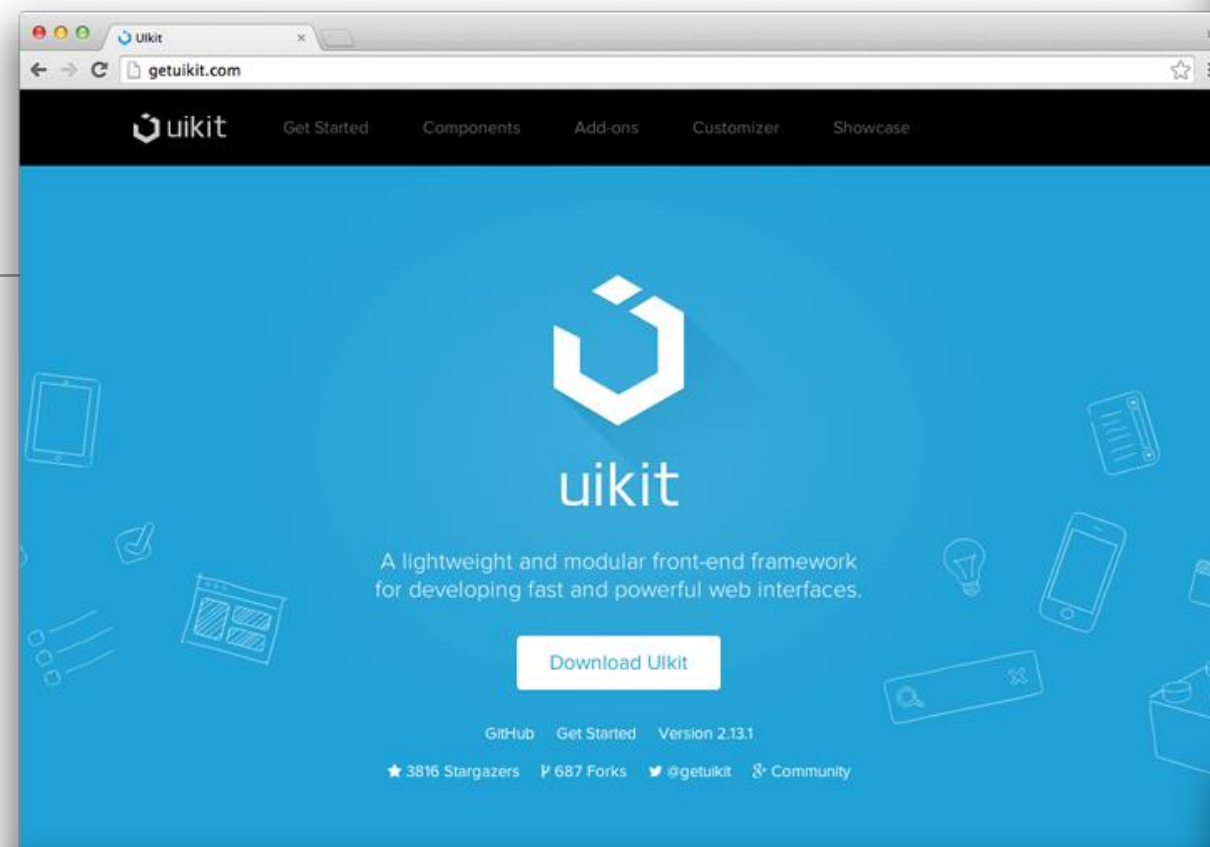
What is a CSS Framework?

“framework is defined as a package made up of a structure of files and folders of standardized code (HTML, CSS, JS etc.) which can be used to support the development of websites, as a basis to start building a site.”

“The aim of frameworks is to provide a common structure so that developers don’t have to redo it from scratch and can reuse the code provided”



Popular Frameworks



<http://www.sitepoint.com/5-most-popular-frontend-frameworks-compared/>

Bulma: the modern CSS framework that just works.

Bulma is a free, open source framework that provides ready-to-use frontend components that you can easily combine to build responsive web interfaces.

✓ No CSS knowledge required.



Star 46,750

downloads 1M/month

```
npm install bulma
```

Getting started

Download v0.9.4



100% Responsive

Designed for mobile first



Modular

Just import what you need



Modern

Built with Flexbox



Free

Open source on **GitHub**



Bulma

Bulma is a modern CSS framework from [@jgthms](#), based on **Flexbox**. Using Bulma, we can describe our website's design using just **classes**. ム(ノ)ノ



Flexbox

Flexbox is a CSS spec that makes sectioning and aligning more natural. We don't need to know Flexbox but it's how Bulma works behind-the-scenes. ム(^-^)



Classes

Instead of writing our CSS per-element, we can use predefined classes. With enough classes, we can describe our website design using semantics. ム(^-^)



Columns

The power of **Flexbox** in a simple interface



Form

The indispensable **form controls**, designed for maximum clarity



Components

Advanced multi-part components with lots of possibilities



Modifiers

An **easy-to-read** naming system designed for humans



Layout

Design the **structure** of your webpage with these CSS classes



Elements

Essential interface elements that only require a **single CSS class**



Start

You only need **1 CSS file** to use Bulma



Modifiers syntax

Most Bulma elements have **alternative** styles. To apply them, you only need to append one of the **modifier classes**. They all start with `is-` or `has-`.



Responsiveness

Bulma is a **mobile-first** framework



CSS classes

Bulma is simply a **collection** of CSS classes. Write the HTML code you want.



Modularity

Just import what you **need**



Colors

The **colors** that **style** most Bulma elements and components

Bulma Starter

- Bulma is a **CSS library**.
- This means it provides CSS classes to help you style your HTML code
- Bulma solely comprises **CSS classes**
- Your HTML code has **no impact** on the styling of your page.

```
<section class="section">
  <div class="container">
    <h1 class="title">
      Hello World
    </h1>
    <p class="subtitle">
      My first website with
      <strong>Bulma</strong>!
    </p>
  </div>
</section>
```


Modifiers

- Most Bulma elements have alternative styles.
- To apply them, you only need to append one of the modifier classes.
- They all start with is- or has-Most Bulma elements have alternative styles.
- To apply them, you only need to append one of the modifier classes.
- They all start with **is-** or **has-**

```
<button class="button is-primary">  
  Button  
</button>
```

Modifier example

- Let's start with a simple button that uses the "button" CSS class:
- By adding the "is-primary" CSS class, you can modify the color:
- You can use one of the 6 main colors:

Button

```
<button class="button">
  Button
</button>
```

Button

```
<button class="button is-primary">
  Button
</button>
```

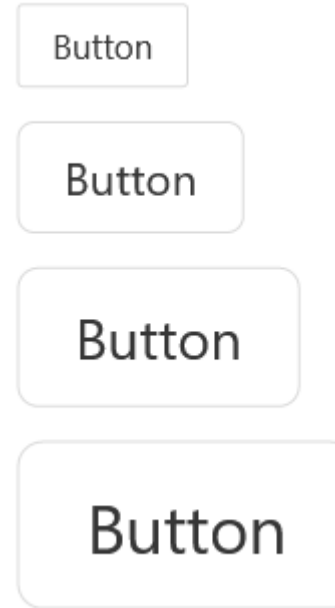
- `is-primary` 
- `is-link` 
- `is-info` 
- `is-success` 
- `is-warning` 
- `is-danger` 

```
<button class="button is-primary">
  Button
</button>
<button class="button is-link">
  Button
</button>
<button class="button is-info">
  Button
</button>
<button class="button is-success">
  Button
</button>
<button class="button is-warning">
  Button
</button>
<button class="button is-danger">
  Button
</button>
```

Modifier example

- You can also alter the **size**

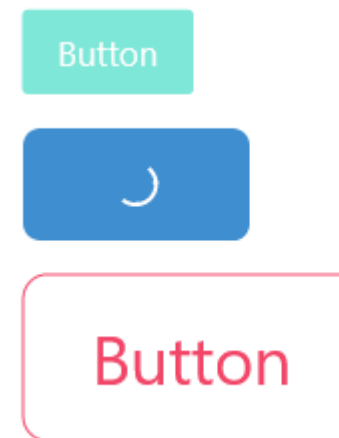
- `is-small`
- `is-medium`
- `is-large`



```
<button class="button is-small">
  Button
</button>
<button class="button">
  Button
</button>
<button class="button is-medium">
  Button
</button>
<button class="button is-large">
  Button
</button>
```

Or the **style** or **state**:

- `is-outlined`
- `is-loading`
- `[disabled]`



```
<button class="button is-primary is-outlined">
  Button
</button>
<button class="button is-loading">
  Button
</button>
<button class="button" disabled>
  Button
</button>
```

Modifier example

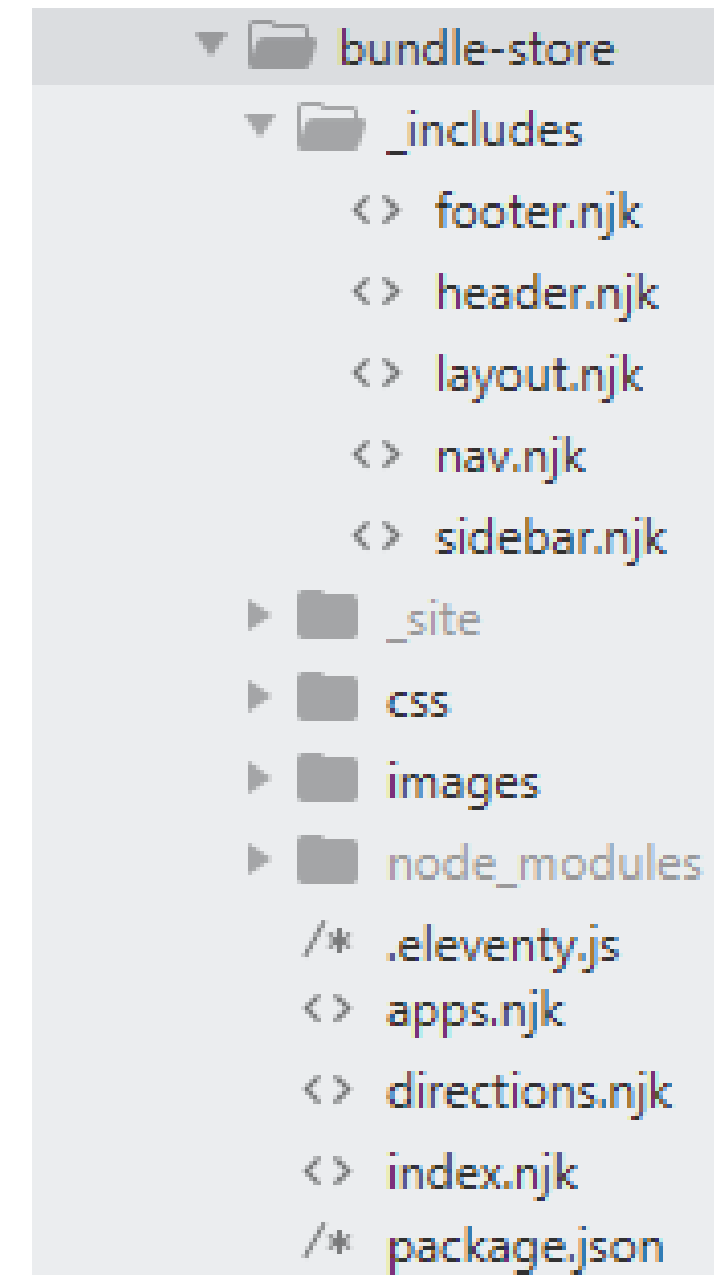
- As a result, it's very easy to **combine modifiers**:



```
<button class="button is-primary is-small" disabled>
  Button
</button>
<button class="button is-info is-loading">
  Button
</button>
<button class="button is-danger is-outlined is-large">
  Button
</button>
```

Project Structure

- Eleventy.js
- Includes
- CSS
- Images
- Pages
- Package.json
- _site



Incorporating Bulma into the project

- You can import the CSS file directly from [jsDelivr](https://jsdelivr.net)

CSS @import

HTML <link>

```
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bulma@0.9.4  
/css/bulma.min.css">
```

```
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bulma@0.9.4/css/bulma.min.css">
```

- This makes all of the Bulma components available on your webpage

Bulma Setup

- For Bulma to work correctly, you need to make your webpage **responsive**

1. Use the **HTML5 doctype**

```
<!DOCTYPE html>
```

2. Add the responsive **viewport** meta tag

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

First Steps - remove existing stylesheet

- Delete almost all CSS rules we have built up in the page so far
- Leave just the 'banner' rule:

```
.banner {  
  background: url("/assets/images/banner.jpg") top center;  
  background-position: top center;  
  color: white;  
  height: 300px;  
}
```




Welcome to the App Bundle Store

[Home](#)[Apps](#)[Directions](#)

This store brings you *great app bundles* week after week. We select the best power user apps from a broad range of suppliers and combine them into great deals. These are the highest quality apps from the best publishers, at great prices.

Whether you are interested in gaming or graphics design, software development or media production - we have the bundle for you. Each [app bundle](#) is designed to compliment the others, delivering you an exciting take on a scene.



Our guarantee: at the store, we're committed to providing you, with an exceptional quality and reliability. Every application is checked in detail for stability, usability and inter-interoperability. If you are unhappy with any individual app in a bundle we will refund you the full amount for the complete suite, no questions asked.

Favourites

These are some of our favourites

- Hype by Tumult
- Webstorm by Idea
- Sublime, by sublimetext.com
- Desktop Utility by Sweet Productions

Favourites

We will be reviewing these favourites in the coming weeks, so please check in again to find out why these are our favourite apps.

Why not come in and walk around the store? Directions are included below.

Contact us at : bundle@store.com, or visit us: [directions](#)

Weekly Deals

Business Bundle

Here comes the next bundle for march.



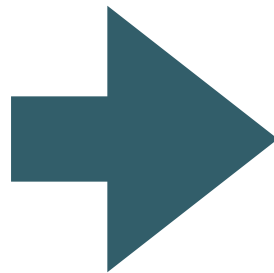
This time it's macware who publish a bundle. The so called macware Business Bundle contains 6 apps at a price of only €29.99 instead of €199.94. So you can save around 84%.

Insanity Deal



With the new €5 Insanity Deals from

Bundlehunt you receive every day a highly reduced app for €5 only with savings up to 75%. Not a real bundle but, as there are multiple apps for only €5 each, one new per day, for the days to come.



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margin: auto;

```
#main {  
  width: 600px;  
  margin: 0 auto;  
}
```

CSS

- Setting the **width** of a block-level element will stop it stretching out to the edges left and right. Then set the margin to auto left and right. This horizontally centres that element within its container.

margin: auto;

Lorem ipsum dolor sit amet, eos ut diam interesset, cu modo necessitatibus pri. Ne sit elit dicit, eum dico autem convenire an. Sed ei clita nullam, elit legimus voluptatibus ei his. Duo facilisi cotidieque at, invidunt platonem incorrupte ut has.

Vel et enim consulatu. Te civibus copiosae salutandi vel. Adhuc sonet libris ad eam, mundi affert mea ex. Dicunt feugiat patrioque et mel, id qui nusquam maluisset, ei vim justo ceteros vituperata. Mei saepe mediocrem ut. Repudiare definitiones ea ius, sint commodo est ea, nam no nemore diceret.

ui container

- Replaces the need for “margin:auto” if we are using Bulma



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Containers

<https://bulma.io/documentation/layout/container/>

Container

A simple container to center your content horizontally

The `container` is a simple utility element that allows you to **center** content on larger viewports. It can be used in any context, but mostly as a **direct child** of one of the following:

- `navbar`
- `hero`
- `section`
- `footer`

Overview

	Below 1023px	Desktop Between 1024px and 1215px	Widescreen Between 1216px and 1407px	FullHD 1408px and above
Class	max-width			
<code>.container</code>	Full width	960px	1152px	1344px
<code>.container.is-widescreen</code>	Full width		1152px	1344px
<code>.container.is-fullhd</code>	Full width			1344px

Bulma Columns

Bulma has its own grid system called Columns which is powered by Flexbox

It is a very simple way to build responsive grid based web pages

Building a column layout is very simple:

1. Add a **columns** container
2. Add as many **column** elements as you want

Each column will have an **equal width**, no matter the number of columns.

First column

Second column

Third column

Fourth column

```
<div class="columns">
  <div class="column">
    First column
  </div>
  <div class="column">
    Second column
  </div>
  <div class="column">
    Third column
  </div>
  <div class="column">
    Fourth column
  </div>
</div>
```

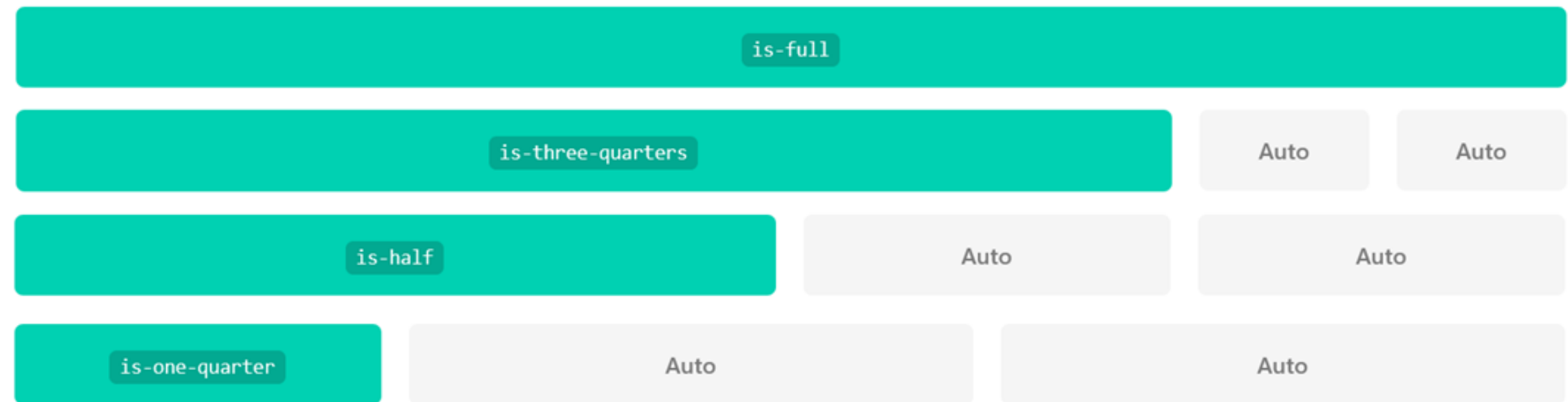
Column Sizes

Define the **size** of each column **individually**

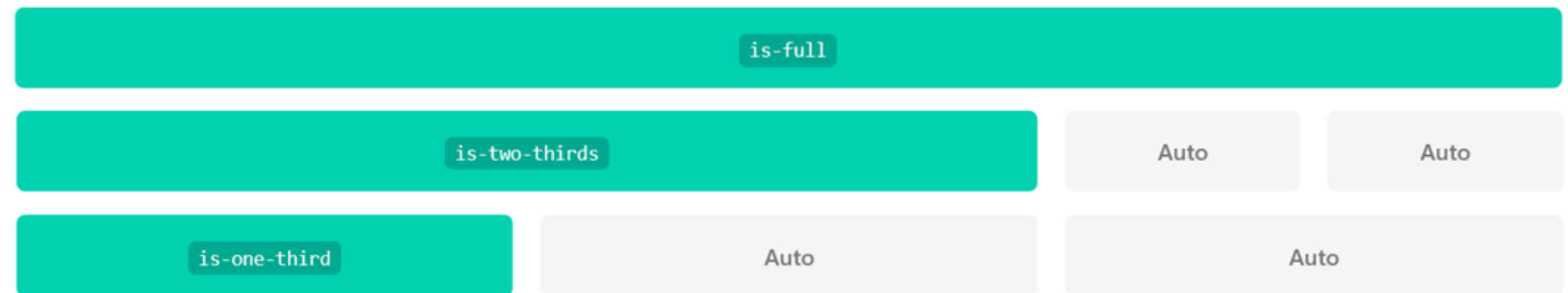
If you want to change the **size** of a single column, you can use one of the following **modifier** classes:

- is-full
- is-three-quarters
- is-half
- is-one-quarter

Quarters



Thirds



Column Sizes

The other columns will fill up the remaining space automatically.

You can use the following multiples of 20% as well:

- is-full-width
- is-four-fifths
- is-three-fifths
- is-two-fifths
- is-one-fifth

is-full

is-four-fifths

is-three-fifths

is-two-fifths

is-one-fifth

Auto

Auto

Auto

Auto

Auto

Column Sizes

The other columns will fill up the remaining space automatically.

You can use the following multiples of 20% as well:

- is-full-width
- is-four-fifths
- is-three-fifths
- is-two-fifths
- is-one-fifth

is-full

is-four-fifths

is-three-fifths

is-two-fifths

is-one-fifth

Auto

Auto

Auto

Auto

Auto

Column Sizes

Each modifier class is named after how many columns you want out of 12. So if you want 7 columns out of 12, use is-7.

You can also use a 12 column grid with the following modifiers:

- is-1
- is-2
- is-3
- is-4
- is-5
- is-6
- is-7
- is-8
- is-9
- is-10
- is-11
- is-12



Column Rows

The full width makes up a line. New lines can be created in one of two ways:

1. Each **columns** class is counted as a new line. You will need a new **columns** parent element for each row of columns.

```
<div class="columns">
  <div class="column is-full">First line</div>
</div>

<div class="columns">
  <div class="column is-half">Second line, first column</div>
  <div class="column is-half">Second line, second column</div>
</div>
<div class="columns">
  <div class="column is-full">Third Line</div>
</div>
```

First line

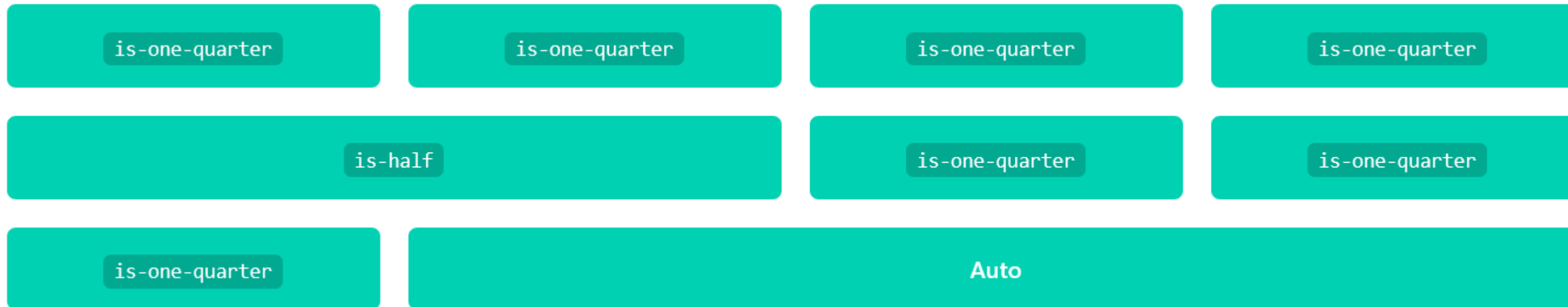
Second line, first column

Second line, second column

Third line

Column Multiline

2. Using the multiline modifier allows your columns to flow onto new lines when there is not enough room on the current line



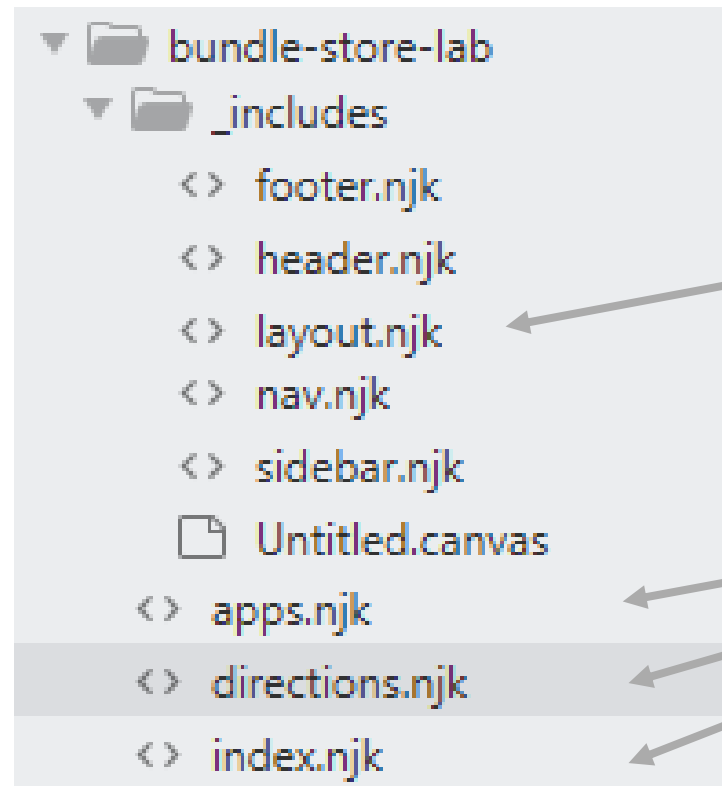
```
<div class="columns is-multiline">
  <div class="column is-one-quarter">
    is-one-quarter
  </div>
  <div class="column is-one-quarter">
    is-one-quarter
  </div>
  <div class="column is-one-quarter">
    is-one-quarter
  </div>
  <div class="column is-one-quarter">
    is-one-quarter
  </div>
  <div class="column is-half">
    is-half
  </div>
  <div class="column is-one-quarter">
    is-one-quarter
  </div>
  <div class="column is-one-quarter">
    is-one-quarter
  </div>
  <div class="column">
    Auto
  </div>
</div>
```

Columns

- We are going to add columns to <header>, <main> and footer.

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Bundle APP Store</title>
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bulma@0.9.4/cs
  </head>
  <body class="container">
    
    {% include "header.njk" %}
    <main class="columns">
      <section class="column is-three-quarters">
        {{ content | safe }}
      </section>
      <aside class="column is-one-quarter">
        {% include "sidebar.njk" %}
      </aside>
    </main>
    {% include "footer.njk" %}
  </body>
</html>
```

Modifying _layout.njk




- _layout defines the structure of all pages in the bundle store folder
- Any change here effects all of the pages

```
{% include "header.njk" %}
<main class="columns">
  <section class="column is-three-quarters">
    {{ content | safe }}
  </section>
  <aside class="column is-one-quarter">
    {% include "sidebar.njk" %}
  </aside>
</main>
{% include "footer.njk" %}
```


Bundle APP Store

localhost:8081



Welcome to the App Bundle Store

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Insanity Deal



With the new €5 Insanity Deals from Bundlehunt you receive every day a highly reduced app for €5 only with savings up to 75%. Not a real bundle but, as there are multiple apps for

Bulma Hero

- Bulma CSS Framework layouts give us options for several common content areas such as Hero banners and Footers
- Heros come in 8 different colours

Default	<code>\$white</code>	<code>\$white</code>	
is-black	<code>\$black</code>	<code>\$black</code>	
is-primary	<code>\$primary</code>	<code>\$turquoise</code>	
is-link	<code>\$link</code>	<code>\$blue</code>	
is-info	<code>\$info</code>	<code>\$cyan</code>	
is-success	<code>\$success</code>	<code>\$green</code>	
is-warning	<code>\$warning</code>	<code>\$yellow</code>	
is-danger	<code>\$danger</code>	<code>\$red</code>	

Heros also come in 6 different sizes

"is-small" hero
Small subtitle

Default hero
Success subtitle

"is-medium" hero
Medium subtitle

"is-halfheight" hero
Half height subtitle

"is-large" hero
Large subtitle

"is-fullheight" hero
Fullheight subtitle

Bulma Hero with Navbar

Title

Subtitle

Overview

Modifiers

Grid

Elements

Components

Layout

Bundle App Hero

```
<div class="hero-body is-primary is-small">
  <p class="title">
    Welcome to the App Bundle Store
  </p>
  <p class="subtitle">
    The best App store on the internet
  </p>
</div>
</section>
```



Welcome to the App Bundle Store
The best App store on the internet

Bulma Footer

- A simple responsive **footer** which can include anything: lists, headings, columns, icons, buttons, etc
- The Bulma **footer** is a simple container, with lots of bottom padding, making it great as the last element of any webpage

```
<footer class="footer">
  <div class="content has-text-centered">
    <p>
      <strong>Bulma</strong> by <a href="https://jgthms.com">Jeremy Thomas</a>. The source code is licensed
      <a href="http://opensource.org/licenses/mit-license.php">MIT</a>. The website content
      is licensed <a href="http://creativecommons.org/licenses/by-nc-sa/4.0/">CC BY NC SA 4.0</a>.
    </p>
  </div>
</footer>
```

Bulma by [Jeremy Thomas](https://jgthms.com). The source code is licensed [MIT](http://opensource.org/licenses/mit-license.php). The website content is licensed [CC BY NC SA 4.0](http://creativecommons.org/licenses/by-nc-sa/4.0/).