Bootstrap 4 .
IPPON 2019

Me.

#CSS #web #ippon #nantes
#yannicode #PAYSDERETZ
#strongandfit #Bootstrap
#longmuscle

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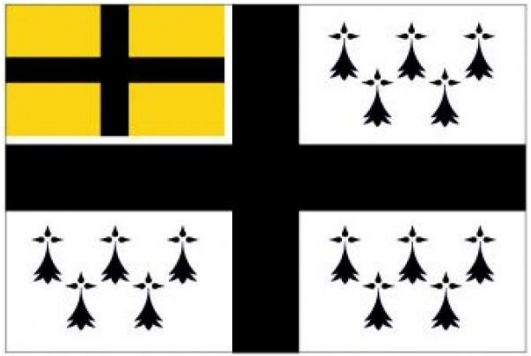
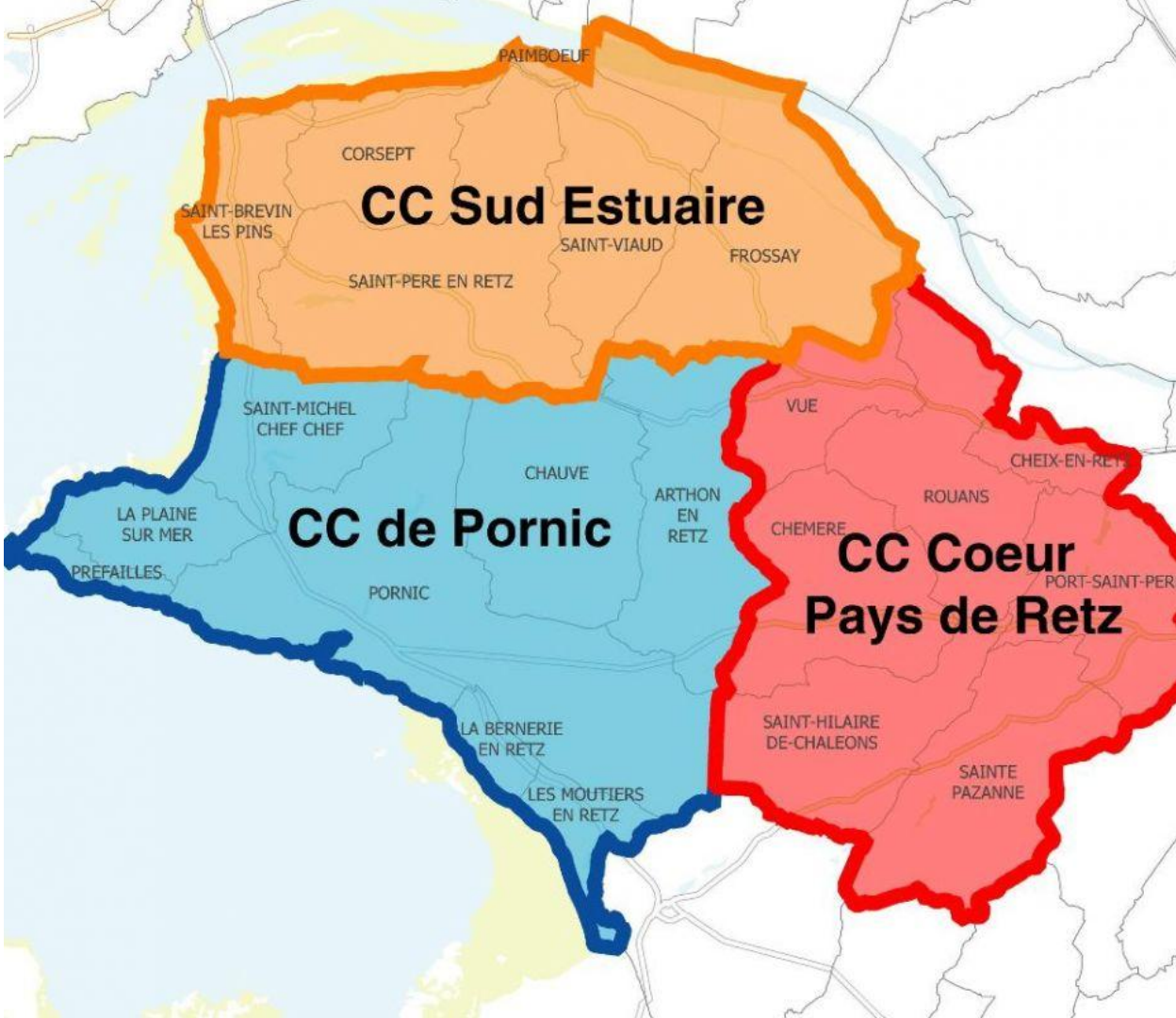
Le Pays de Retz

1. Loire-Atlantique
2. The best beaches are not in Pornic
3. We have our own salt





Summary.

1. Ippon Technologies
2. Motivations
3. Bootstrap
    a. What’s Bootstrap?
    b. Why Bootstrap
    c. Grid System
4. Practice

360
Collaborators

38M€
revenue
2018

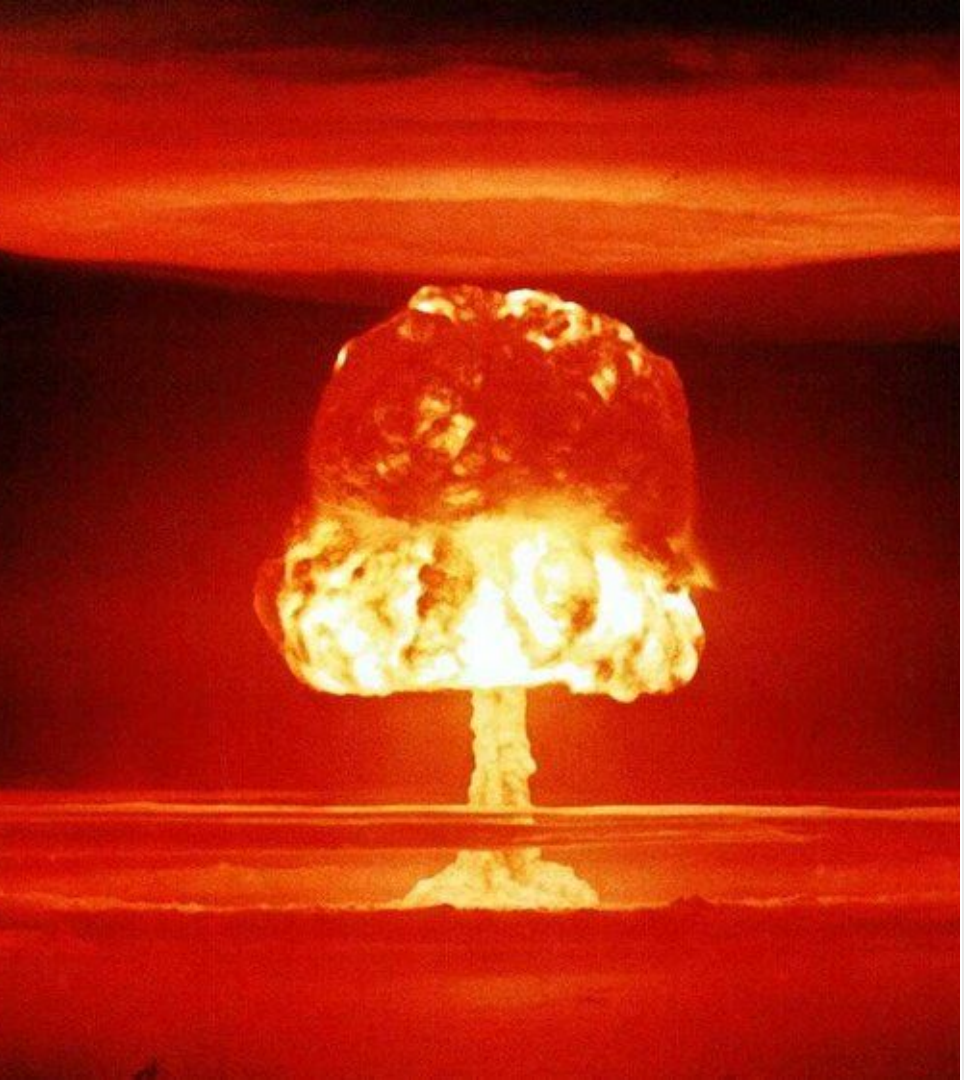
20%
growth

IPPON
Discovery to Delivery

Accélérateur de projets innovants

IPPON 2019

Motivations.
WHY



We don’t want such situation :

(In web development)

“Hey, why does your website look ugly on my phone?”

“Is it really a good idea to write a 1000L styling file?”

“I’m spending so much time on applying my client’s styleguide”

“...”

Bootstrap.

What is Bootstrap?

UI (User Interface) Framework created by Twitter

First release in 2011

`vX.Y.Z` Today in version 4.3.1

Extremely popular (more than 135k stars on GitHub)

Offers out of the box UI facilities and components

Why Bootstrap?

Among other UI frameworks

actively maintained

complete and
consistent

easy to learn
easy to master

expandable

Grid System

Responsive Design

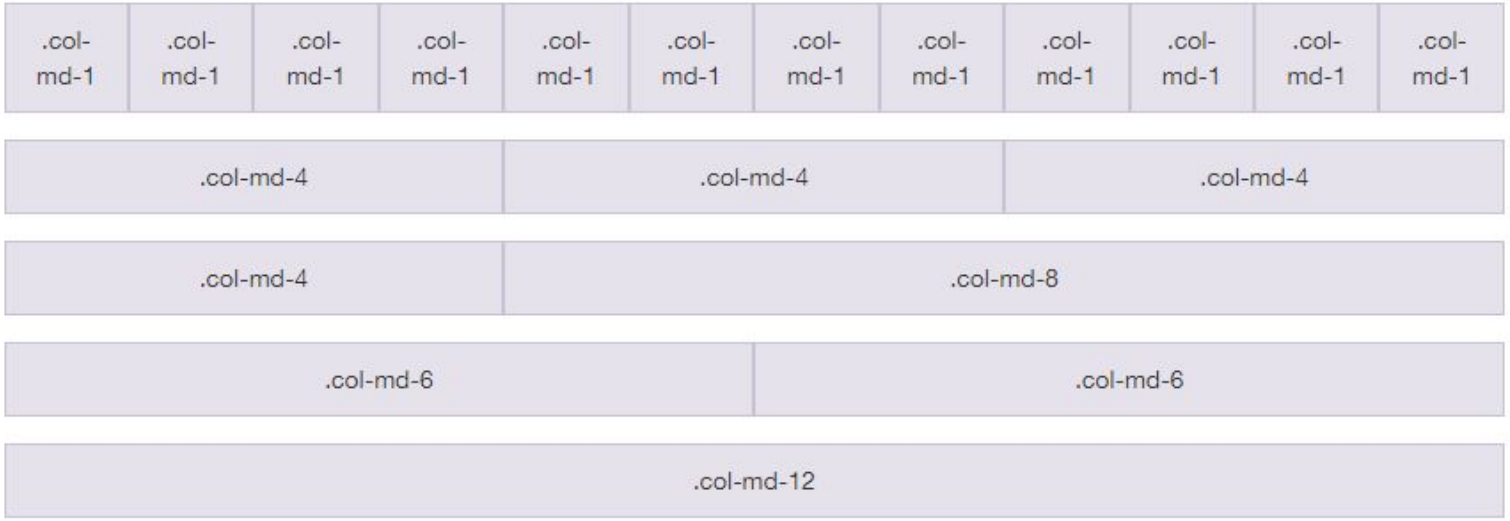
Responsive Design
=
Adaptative UI

Grid System

Responsive Grid

12 columns grid :

EXAMPLE



Demo.
https://getbootstrap.com/docs/4.3/layout/grid/

How does it work?

There are several breakpoints :

This will take half of the screen size

```
<div class="row">
  <div class="col-6 col-sm-3">.col-6 .col-sm-3</div>
  <div class="col-6 col-sm-3">.col-6 .col-sm-3</div>

  <!-- Force next columns to break to new line -->
  <div class="w-100"></div>

  <div class="col-6 col-sm-3">.col-6 .col-sm-3</div>
  <div class="col-6 col-sm-3">.col-6 .col-sm-3</div>
</div>
```

How does it work?

Responsive Grid

There are several breakpoints :

The sm modifier stands for SMall screens

```
<div class="row">
  <div class="col-6 col-sm-3">.col-6 .col-sm-3</div>
  <div class="col-6 col-sm-3">.col-6 .col-sm-3</div>

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  <div class="col-6 col-sm-3">.col-6 .col-sm-3</div>
</div>
```

Size modifiers

Examples

The size modifiers are available for many features :

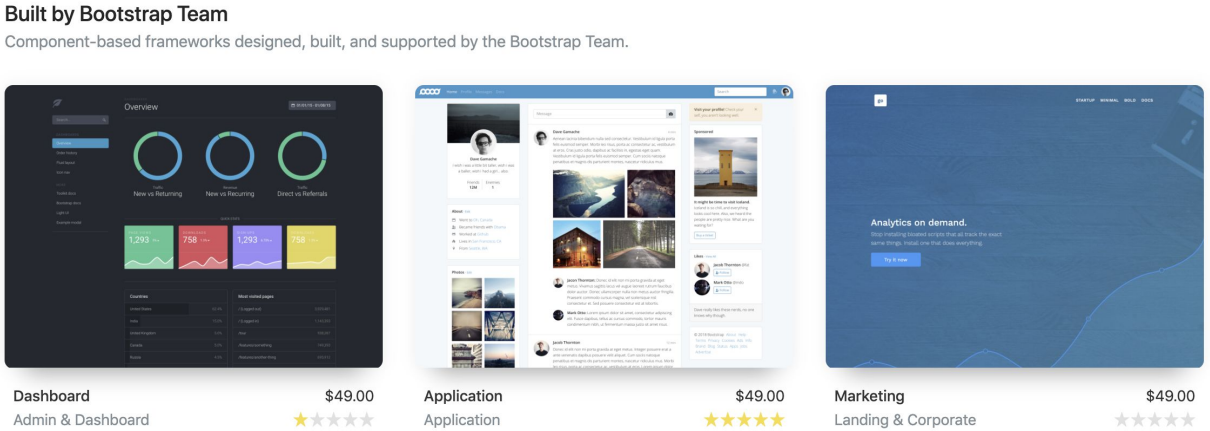
Property	Example	Result
padding	`p-sm-0`	no padding on small screens
margin	`m-xl-5`	3 rem margin on extra large screens
text-align	`text-xs-center`	centered text on extra smalls screens
...	`...`	...

Demo.
https://getbootstrap.com/docs/4.3/layout/grid/#margin-utilities

And bootstrap has so many other cool features

Such as...

A marketplace



https://themes.bootstrap.com

And… a complete Sass Support

Practice.