



Bootstrap

Cours du 3 décembre - Introduction



Build responsive, mobile-first projects on the web with the world's most popular front-end component library.



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BOOTSTRAP 4 GRID SYSTEM

Système de grille

B

```
<div class="container">
  <div class="row">
    <div class="col">
      One of three columns
    </div>
    <div class="col">
      One of three columns
    </div>
    <div class="col">
      One of three columns
    </div>
  </div>
</div>
```

One of three
columns

One of three
columns

One of three
columns

Système de grille

B

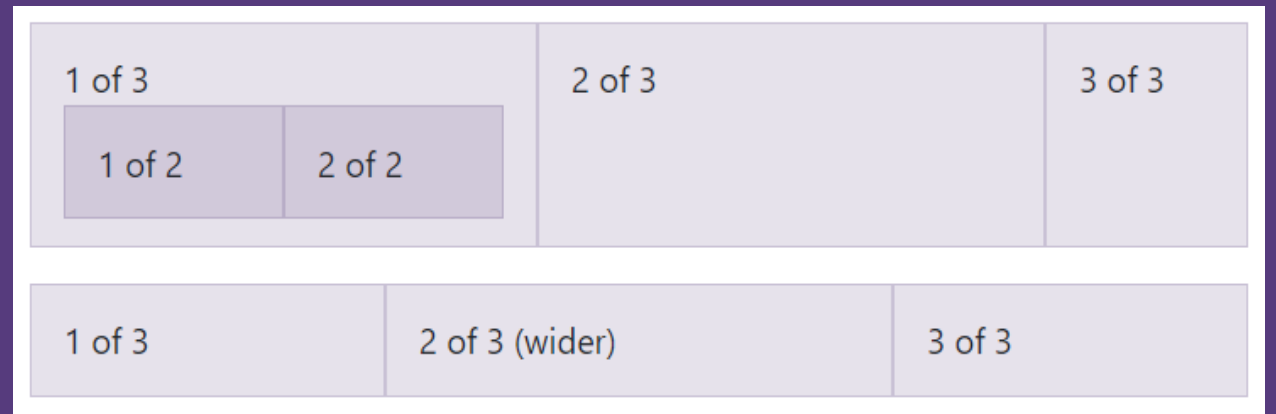
```
<div class="container">
  <div class="row">
    <div class="col">
      1 of 3
    </div>
    <div class="col-6">
      2 of 3 (wider)
    </div>
    <div class="col">
      3 of 3
    </div>
  </div>
</div>
```

1 of 3	2 of 3 (wider)	3 of 3
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Système de grille

B

```
<div class="container">
  <div class="row">
    <div class="col-5">
      1 of 3
      <div class="container">
        <div class="row">
          <div class="col">
            1 of 2
          </div>
          <div class="col">
            2 of 2
          </div>
        </div>
      </div>
    </div>
    <div class="col-6">
      2 of 3 (wider)
    </div>
    <div class="col-1">
      3 of 3
    </div>
  </div>
</div>
```



Système de grille

B

```
<div class="row">
  <div class="col-6 col-sm-4">
    .col-6 .col-sm-4
  </div>
  <div class="col-6 col-sm-4">
    .col-6 .col-sm-4
  </div>

  <!-- break to new line at md breakpoint and up -->
  <div class="w-100 d-none d-md-block"></div>

  <div class="col-6 col-sm-4">
    .col-6 .col-sm-4
  </div>
  <div class="col-6 col-sm-4">
    .col-6 .col-sm-4
  </div>
</div>
```

.col-6 .col-sm-4	.col-6 .col-sm-4	.col-6 .col-sm-4
.col-6 .col-sm-4		

.col-6 .col-sm-4	.col-6 .col-sm-4
.col-6 .col-sm-4	.col-6 .col-sm-4

Système de grille

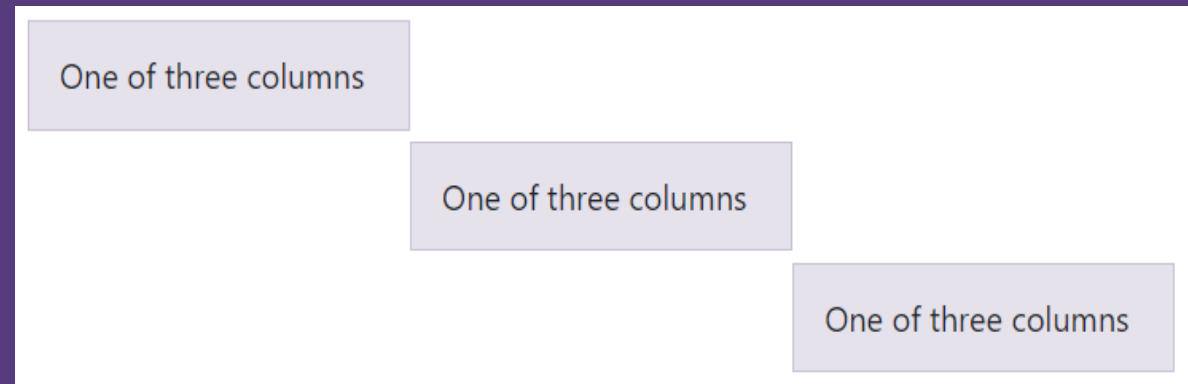


	Extra small < 576px	Small ≥ 576px	Medium ≥ 768px	Large ≥ 992px	Extra large ≥ 1200px
Largeur max du conteneur (.container)	None (auto)	540px	720px	960px	1140px
Largeur max du conteneur (.container-fluid)			100%		
Classes	.col-	.col-sm-	.col-md-	.col-lg-	.col-xl-
# de colonnes			12		

Système de grille - Alignement

B

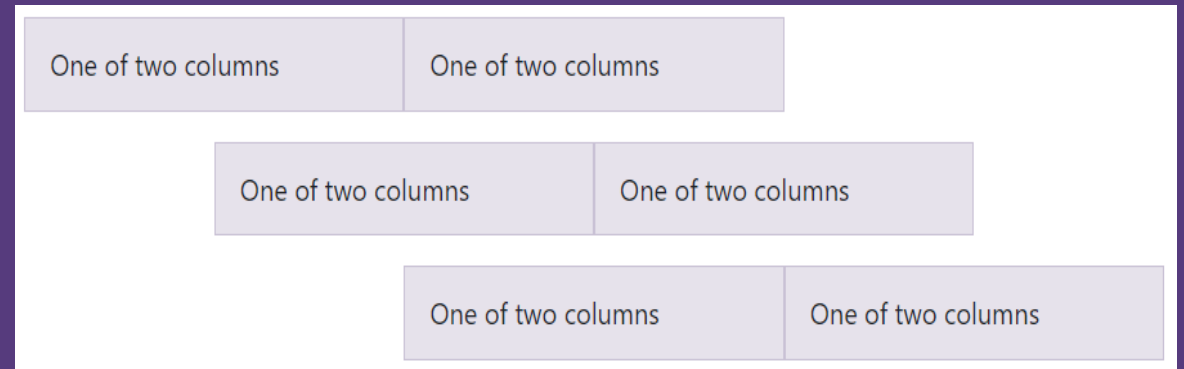
```
<div class="container">
  <div class="row">
    <div class="col align-self-start">
      One of three columns
    </div>
    <div class="col align-self-center">
      One of three columns
    </div>
    <div class="col align-self-end">
      One of three columns
    </div>
  </div>
</div>
```



Système de grille - Alignement

B

```
<div class="container">
  <div class="row justify-content-start">
    <div class="col-4">
      One of two columns
    </div>
    <div class="col-4">
      One of two columns
    </div>
  </div>
  <div class="row justify-content-center">
    <div class="col-4">
      One of two columns
    </div>
    <div class="col-4">
      One of two columns
    </div>
  </div>
  <div class="row justify-content-end">
    <div class="col-4">
      One of two columns
    </div>
    <div class="col-4">
      One of two columns
    </div>
  </div>
</div>
```



Système de grille – marges

B

```
<div class="row">
  <div class="col-md-4">
    .col-md-4
  </div>
  <div class="col-md-4 offset-md-4">
    .col-md-4 .offset-md-4
  </div>
</div>
<div class="row">
  <div class="col-md-3 offset-md-3">
    .col-md-3 .offset-md-3
  </div>
  <div class="col-md-3 offset-md-3">
    .col-md-3 .offset-md-3
  </div>
</div>
```

.col-md-4

.col-md-4 .offset-
md-4

.col-md-3
.offset-md-3

.col-md-3
.offset-md-3

Timeshift 165

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce mattis, felis id ullamcorper consectetur, nunc mauris tincidunt mauris, egestas congue purus nunc non nibh. Etiam tincidunt, massa eget ullamcorper volutpat, neque arcu venenatis ligula, a consequat purus est vitae mi.



Créer son propre « component » d'après Bootstrap

Guidelines

1. Les components doivent être reponsive et mobile-first
2. Les components doivent être construit avec une classe de base et étendu avec des classe de surcharge
3. Privilégier le HTML & CSS au JS
4. Utiliser au maximum ce qui existe déjà
5. Ne pas être trop rigide dans les sélecteurs (éviter les sélecteurs de type et d'enfants direct par exemple)

