

CDNS :

```
<!-- BOOTSTRAP -->
```

```
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css">
```

```
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap-theme.min.css">
```

```
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"></script>
```

	Petit écran (smartphone)	Écran réduit (tablette)	Écran moyen (desktop)	Grand écran (desktop)
				
Comportement	Redimensionnement	Redimensionnement	Redimensionnement	Empilage puis redimensionnement
Classe	col-xs-*	col-sm-*	col-md-*	col-lg-*
Valeur de référence	< 768 px	>= 768 px	>= 992 px	>= 1200 px

xs pour x-small, sm pour small, md pour medium et lg pour large

les classes :

-container : centers the content

-container-fluid

-row : contains 12 columns that can be reserved using the classes :

-col-xs-* : * column(s) for small screens (mobiles)

-col-sm-* : tablet screens

-col-md-* : medium screens

-col-lg-* : big screens

-col-XX-offset-X : leave X columns empty for screen of type XX

Note : we can give a tag multiple classes, for example class= 'col--offset-2 col-xs-6' will make an offset of 2 columns followed by 6 columns for the tag content

Imbrication of row inside columns:

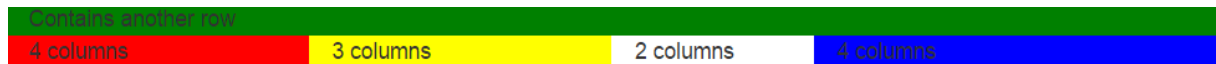
-We can put a row inside a column as follows :

```
<div class="row">
```

```

<div class="col-lg-8" style="background-color:green"> Contains another row
<div class="row">
<div class="col-lg-3" style="background-color:red">4 columns</div>
<div class="col-lg-3" style="background-color:yellow">3 columns</div>
<div class="col-lg-2" style="background-color:white">2 columns</div>
<div class="col-lg-4" style="background-color:blue">4 columns</div></div>
</div></div>

```



NOTES :

- even if your row contain only one tag, it's preferable to determine it size (12)
- when you want to imbricate columns you should first put the imbricated columns inside a row

Example : (with dummy tags)

~~<column><imbricatedCol></imbricatedCol></column>~~ INCORRECT

<column><row><imbricatedCol></imbricatedCol></row></column>

- a row may contain multiple lines (for example you can put a total of 24 columns in one row and you will get 2 lines)

Different columns distribution in function of screen size :

<div class="col-xs-4 col-sm-3 col-md-2"> : means that the div will take 4 col in a phone screen, 3 in a tablet and 2 in a laptop or desktop screen.

Responsive classes :

	Extra small devices Phones (<768px)	Small devices Tablets (≥768px)	Medium devices Desktops (≥992px)	Large devices Desktops (≥1200px)
.visible-xs-*	Visible	Hidden	Hidden	Hidden
.visible-sm-*	Hidden	Visible	Hidden	Hidden
.visible-md-*	Hidden	Hidden	Visible	Hidden
.visible-lg-*	Hidden	Hidden	Hidden	Visible
.hidden-xs	Hidden	Visible	Visible	Visible
.hidden-sm	Visible	Hidden	Visible	Visible
.hidden-md	Visible	Visible	Hidden	Visible
.hidden-lg	Visible	Visible	Visible	Hidden

Group of classes	CSS display
<code>.visible-*-block</code>	<code>display: block;</code>
<code>.visible-*-inline</code>	<code>display: inline;</code>
<code>.visible-*-inline-block</code>	<code>display: inline-block;</code>

Usefull classes :

Lists's classes () :

list-unstyled - list-inline

Descriptions's classes (<dl>) :

dl-horizontal

tables's classes (<table>) :

table | table table-bordered | table table-bordered table-striped |

table table-bordered table-striped table-condensed

table-responsive (in the <div> that contains the table)

<tr> colors classes :

info, success, danger, warning and active

forms classes :

form-control : align the form's fields vertically

form-group : get optimum spacing

form-horizontal : will align vertically each line label with its field

form-inline : align the fields horizontally

more here : http://www.w3schools.com/bootstrap/bootstrap_forms_inputs.asp

we can add a help box to a form : class : **help-block**

class « well » :

adds a rounded border around an element with a gray background color and some padding

can be combined with well-sm or well-lg to modify the size of well

class « pull-right » :

« pulls » the element to the right side.

Class **sr-only** (screen ready only) :

Will make a label invisible.

Input-group,input-group-addon & input-group-btn :

input-group can be the classe of the div that contains an input, if it is, we can add to it a input-group-addons and we will have the following result for example : (the field is inside an input-group and the « € » is inside a span of the classe : input-group-addon)



Inside of « input-group-addon » we can add checkbox & radio insted of a simple text

We can also stick a button to an input using the **input-group-btn** instead.

Modify the input height :

We can add to a form one of the followin classes : input-sm or input-lg

Fields feedback :

By adding one of the classes : has-error,has-warning or has-success to a form of class form-group for example

We can also add icons to the previous errors using empty span of class :

glyphicon glyphicon-remove form-control-feedback (or **warning-sign** or **ok**)

buttons styles :

```
1 <button type="button" class="btn btn-primary">Bouton standard</button>
2 <button type="button" class="btn btn-success">Réussite</button>
3 <button type="button" class="btn btn-info">Information</button>
4 <button type="button" class="btn btn-warning">Avertissement</button>
5 <button type="button" class="btn btn-danger">Danger</button>
6 <button type="button" class="btn btn-link">Lien</button>
```



Buttons size :

btn-lg btn-sm bt-xs

btn-block makes the button take the size of its container

Buttons group :

To group buttons use **<a>** with the button styles instead of **<button>**

btn-group : to group buttons horizontally

btn-group-vertical : to group buttons vertically

btn-toolbar may contain many btn-group

buttons groups have also size classes : **btn-group-xs** (-md -sm)

btn-group-justified makes the buttons take all the available space.

Icons : <http://glyphicons.com/> (span classes) we can change the icons color with css : « color »

We can write inside buttons : `<button class="btn btn-primary btn-lg"><span class="glyphicon glyphicon-user"></span><br>TEXT</button>`

Rounded icons : using css :

```
.btn-lg {  
    width: 50px;  
    height: 50px;  
    border-radius: 25px;  
}
```

Another source of icons : <http://fontawesome.github.io/Font-Awesome/> (should include its css)

Formatting pictures :

Using classes : `img-rounded img-circle img-thumbnail` ;

And we can make a picture responsive using : `img-responsive` ;

More here : <https://openclassrooms.com/courses/1885491/les-composants-integres>

Sources :

<https://openclassrooms.com/courses/1885491/>