

Bootstrap:

Websites need to be responsive, as more ppl move from website to mobile.

So the website on desktop and mobile will have different layout (adaptable layout)

You also get a bunch of pre set layout.

Bootstrap files CDN:

<https://getbootstrap.com/docs/4.5/getting-started/introduction/>

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css" integrity="sha384-9aIt2nRpC12Uk9gS9baD1411NQApFmC26EwAOH8WgZl5MYXFc+NcPb1dKGj7Sk" crossorigin="anonymous">
```

CDN - content delivery webwork.

Wireframing:

Start on a design before implementation.

Mock-up:

What you see is what you get.

So workflow is design first.

UI patterns and examples;

<https://ui-patterns.com/patterns>

<https://dribbble.com/>

You can even select design by colour:

<https://dribbble.com/colors/c7166f>

```
<div class="row">
  <div class="col" style="background-color:red; border:1px solid;">
    col
  </div>
  <div class="col" style="background-color:red; border:1px solid;">
    col
  </div>
</div>
```

```
<div class="row">
  <div class="col-6" style="background-color:green; border:1px solid;">
    col-6
  </div>
</div>
```



Total of column is 12, so 6 will be half

Responsive column:

```
<div class="row">
  <div class="col-md-6" style="background-color:blue; border:1px solid;">
    col-md-6
  </div>
```

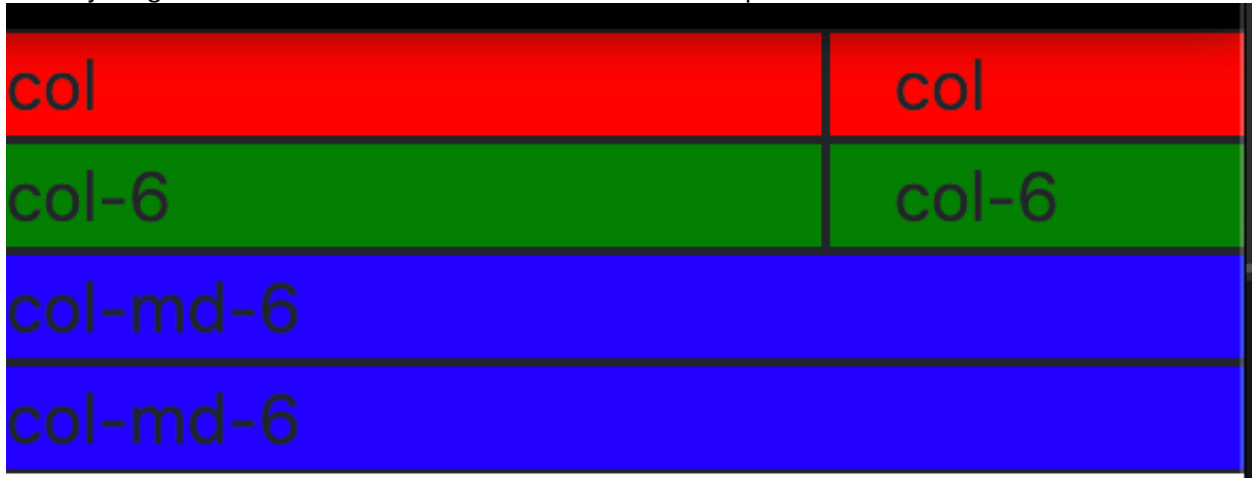
```

    <div class="col-md-6" style="background-color:blue; border:1px solid;">
      col-md-6
    </div>
  </div>

```

Md: medium size: tablet, desktop etc.

But anything smaller than medium size: mobile: it will take up full width



Container: it is automatic responsive

```

<div class="container">
  <!-- Content here -->
</div>

```

It is fully responsive to the size, the other type is fluid container: which take up 100% of the width

Icon Source: <https://fontawesome.com/>

Font awesome CDN:

```

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.12.1/css/all.min.css">

```

Bootstrap snip:

<https://bootsnipp.com/>

Many different things people have created

Advace CSS: natural is stacking order.

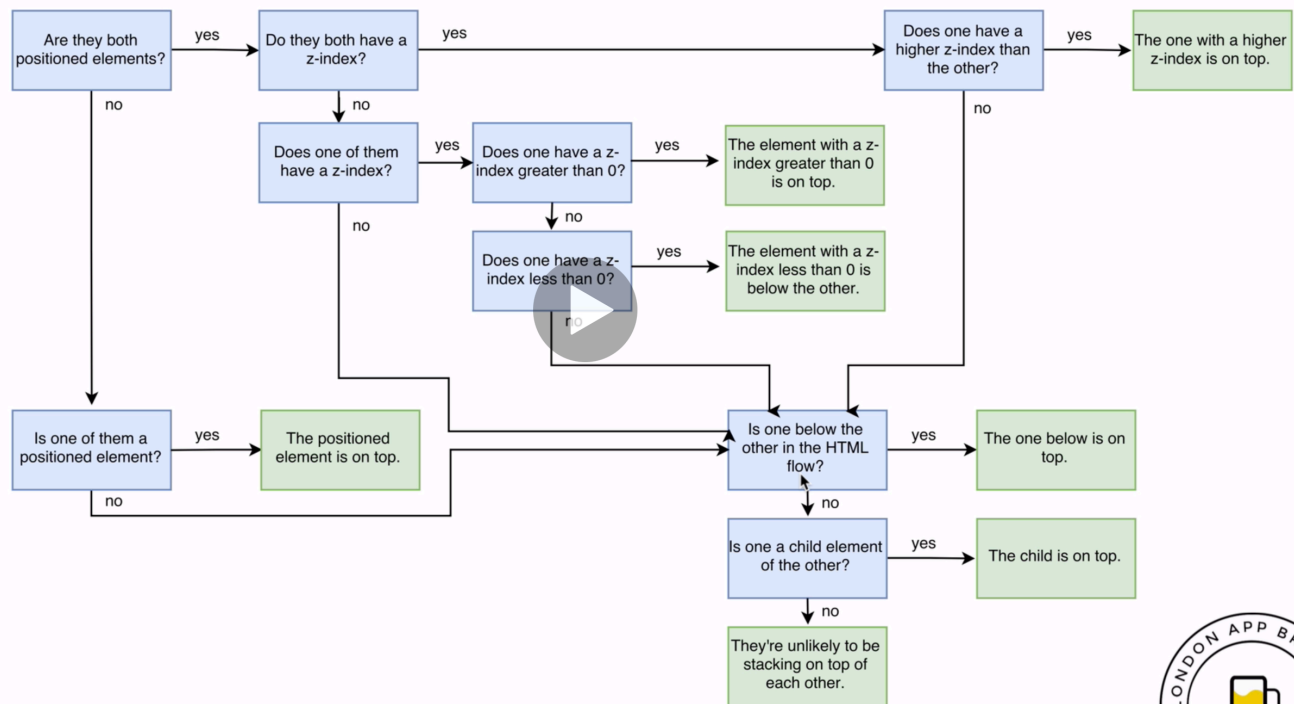
```

<div class="red">
  Red
</div>
<div class="yellow">
  Red
</div>
<div class="blue">
  blue
</div>

```

```
div{
  height:100px;
  width:100px;
  border:1px solid;
  position:absolute;
}
.red{
  background-color:red;
  z-index:1;
}
.yellow{
  background-color:yellow;
  left:10px;
  top:10px;
}
.blue{
  background-color:blue;
  left:20px;
  top:20px;
  z-index:-1;
}
```

The default of z index is 0, so if you change it to 1 => it pop to top, but -1 go to bottom.
Need to set position: absolute/relative/fixed
if it is static then z index couldn't change



How to make website looks from mobile?
– CSS media Query

Mobile friendly rank: <https://search.google.com/test/mobile-friendly>

Make your website responsive!

-Media Query

Media Query

```
@media <type> <feature>
```

Type: the type of media, it only be activated when its on that type

```
@media screen (min-width: 900px) {  
  
//Change Something  
  
}
```

995 people have written a note here

Min width: when the device is 900px or greater => then change sth

CSS combing sector:

```
.container-fluid #title {color: red;}
```

div .container-fluid

h1 #title

Hello World

Combined selectors:

Becareful of the combining sectors with space and without space !

<https://www.udemy.com/course/the-complete-web-development-bootcamp/learn/lecture/12299892#overview>

Priority in CSS:

In-line CSS >ID> class> general

Trying to use ID sparingly, don't use it when you can use it as class.

Only use it when you need it to target a section, first consider if you could use class.

Try to lower the number of classes, don't be redundant, you might get conflict.

Don't use inline style! Try to use css style sheet.