What we're gonna do now is see how we can go to the next level of responsiveness by not just changing the layout of the nav bar when they're on a smaller screen but also completely changing hiding the nav bar so that we make maximum use of that small screen. So let's just remind ourselves how changing the layout looks. Here I am looking at my navigation bar on a widescreen. And if, now I'm simulating what it would look like if I was on a narrow screen by sort of making my web browser window more narrow.

- And you can see that it just makes it into a vertical layout instead. But problem is imagine you looking at it on a phone and you got several items on there, then half of the screen is gonna be taken up with just your navigation. So that poor user's gonna be hit with your nice webpage and all they see is navigation.

But you wanna hit them with some exciting content, so they wanna do it again, right? So, what we need to do is somehow hide that navigation bar. And Bootstrap does allow us to do that with this collapsible Navbar concept. So let's see how that works.

So there are two things I need to define in the collapsible nav bar.

- One is what to display when it's collapsed, and the other
- One is what to display when it's uncollapsed.

Those comments make it really explicit what's going on in the HTML. So, as you add more and more elaborate bits to your navigation bar, or your HTML in general, those comments will become moved down. And so it always be really clear, okay, that div tag, relates to that. So and the intending helps with that as well. So make sure you keep your intending nice and neat. And some text editors allow you to automatically indent to HTML. But I'm doing it manually just so I can really gain, if you keep control of it, right. So we defined what get's displayed, for the collapsed and uncollapsed navbar. But the problem is we've. So there's a tiny button there. If I put some text inside the button, we'll be able to see it a little bit better. Oops. Okay, so there we have it. And, but it's not responsive yet. I need to now make it so that when they shrink it down, it hides the uncollapsed nav bar. And then when I open it out, it should hide the button and show the complete nav bar, okay. So this is the sort of next step. So we've got the basic framework there. And the way we do it is just by adding a few tags and attributes. So we've already done the basic tag structure and I've kind of got the classes over here in some boiler plate code.

- So, the first thing we do, define that as being a navbar header. That's really basic, that just means that it sits on top of everything else. Which is important once we start collapsing things.

```
<!DOCTYPE html>
<html lang="en">
  <head>
   <title></title>

    <link href="css/bootstrap.css" rel="stylesheet">
    <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media
queries -->
    <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
    <!--[if lt IE 9]>
<script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>
<script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
<![endif]-->

  </head>
  <body>

  <nav class="navbar navbar-default">
        <div class="container-fluid">
             <!-- start collapsed navbar -->
             <div>
                 <button>open!</button>
             </div>

             <!-- start un-collapsed navbar -->
             <div>
                <ul class="nav navbar-nav">
                        <li class="active"><a href="#">Home</a></li>
                        <li><a href="#">My photos</a></li>
                </ul>
             </div>
        </div>
  </nav>

  <div class="container">
       <h1> Hello welcome to my bootstrap site </h1>
  </div>

    <script src="js/jquery.min.js"></script>
    <script src="js/bootstrap.min.js"></script>

  </body>
```

The next thing I need to add is, I'm going to go in here, and set up my classes on my second part, all So we've now set some classes on that and again, these are built into Bootstrap. And what classes have I got there? Well, I've got

- collapse navbar-collapse
- other one is navbar-header.

```
<!-- start collapsed navbar -->

<div class="navbar-header">
    <button>open!</button>
</div>

<!-- start un-collapsed navbar -->
<div class="collapse navbar-collapse">
   <ul class="nav navbar-nav">
           <li class="active"><a href="#">Home</a></li>
           <li><a href="#">My photos</a></li>
   </ul>
</div>
```

The next thing I need to do is to make a connection between this button and this navigation bar, because remember, when they click on the button, you want the navigation bar to sort of appear.

And the way I do that is I need to first of all, say okay, set an id on here "main_navbar". And then I need to connect the button up to this ID to make sure that the button triggers the showing of that. And I've got a whole set of attributes that I need to put on the button to do that.

So, first of all, lay it out nicely,

```
<!-- start collapsed navbar-->
      <div class="navbar-header">
        <button
            type="button"
            class="navbar-toggle collapsed"
            data-toggle="collapse"
            data-target="#main_navbar"
            aria-expanded="false">open!</button>
      </div><!-- / collapsed navbar-->

      <!-- start un-collapsed navbar-->
      <div
           class="collapse navbar-collapse"
           id="main_navbar">
        <ul class="nav navbar-nav">
          <li class="active"><a href="index.html">Home</a></li>
          <li><a href="albums.html">Albums</a></li>
          <li><a href="photos.html">All photos</a></li>
        </ul>
      </div><!-- / un-collapsed navbar-->
```

1. Then class="navbar-toggle collapsed" Okay so that's effectively saying, this is something which you're showing when the navbar is collapsed.
2. And data-toggle="collapse" , so data-toggle is telling the Bootstrap JavaScript library that there's an extra functionality on this button, and it will automatically add that functionality for us. But you don't need to worry too much about how that works, but suffice it to say, that this is an instruction to the JavaScript library. That this button does something special.
3. So the first part says, okay, this is a special button that causes something to collapse and the second part data-target="#main_navbar" is the thing that it's going to collapse is called main nav bar. As we saw earlier, we've already specified, that the bottom part, that you know the main part of the navigation bar is connected to that button now. So this is the thing that's going to be collapsed.
4. And then aria-expanded="false" area-expanded is false, so that's implying that it's not gonna be there initially.

So we've implemented some collapsible functionality using a combination of Bootstrap CSS and Bootstrap JavaScript. But we haven't really written any code. We've just written a few tags and attributes. So that's just giving you an example of how you can really use Bootstrap to do some cool stuff very easily.