**BOOTSTRAP**

Put bootstrap CDN in HTML code.

Make sure to include following meta tag in HTML code:

<meta name=”viewport” content=”width=device-width, initial-scale=1”>

\*\*ENSURE HTML TAG LINKING TO JQUERY\*\*

With bootstrap, everything needs to go in containers:

<div class=”container”> - for fixed width

<div class=”container-fluid”> For full screen width

Grid system

|  |  |
| --- | --- |
| **Code** | **Device size** |
| xs | Extra small (phones) |
| sm | Small (tablets) |
| md | Medium (desktops and laptops) |
| lg | Large (big desktops) |

When you make columns, they go inside rows.

\*There are 12 columns by default\*

e.g. <div class=”container”>

<div class=”row”>

<div class=”col-md-4”></div>

</div>

</div>

\*col = columns, md=code for device size, #=amount of columns to take up\*

Text styles

|  |  |
| --- | --- |
| Highlights | <mark></mark> |
| Quotes | <blockquote></blockquote> |
| List | <dl>  <dt>*list heading*</dt>  <dd>*list item*</dd>  </dl> |
| Code tags | <code></code> |
| Multiline code tags | <pre></pre> |

Some colour class tags:

Class=”text-muted” = grey

Class=”text-success” = green

Class=”text-danger” = red

\*for background colour, use *bg* instead of *text*\*

When making tables, use *class=”table”* in the <table> tag.

Responsive videos and images

**Photos**

Class = “img-rounded” – corners rounded

Class = “img-circle” – circle

Class = “img-responsive” – makes image responsive

**Videos**

<div class=”embed-responsive embed-responsive-16by9”>

<iframe class=”embed-responsive-item” src=”*source-file*”>

</iframe>

</div>

Nav Bar

<nav class=”navbar navbar-default”>

<div class=”container-fluid”>

<!—logo-->

<div class=”navbar-header”>

<a href=”#” class=”navbar-brand”>TITLE</a>

</div>

<!—menu items-->

<ul class=”nav navbar-nav”>

<li class=”active”><a href=”#”>Home</a></li>

<li><a href=”#”>About</a></li>

<li><a href=”#”>Contact</a></li>

</ul>

</div>

</nav>

Dropdown nav bar menu

*\*look at above example\**

<!—enter the below before the closing UL tag -->

<li class=”dropdown”>

<a href=”#” class=”dropdown-toggle” data-toggle=”dropdown”>

My Profile <span class=”caret”></span></a>

<ul class=”dropdown-menu”>

<li><a href=”#”>List</a></li>

<li><a href=”#”>List 1</a></li>

</ul>

</li>

<!—put the remaining closing tags of original example code above this comment ----

Below is some code to add a *log out* button to the right of the nav bar -->

<ul class=”nav navbar-nav navbar-right”>

<li><a href=”#”>Log out</a></li>

</ul>

Nav bar toggle button

\*\**using above examples\*\**

<!—enter the following code in the <!—logo--> section -->

<button type=”button” class=”navbar-toggle” data-toggle=”collapse” data-target=”#mainNavBar”>

<span class=”icon-bar”></span> <!—x3 of span code -->

</button>

\**rest of –logo—code\**

<!—in the <!—menu items --> section -->

<div class=”collapse navbar-collapse” id=”mainNavBar”>

\**list the rest of the code here, starting with the <ul> tag, and then enter closing tags\**

Wells & Alert boxes

<div class=”well”>Well</div>

<div class=”well well-sm>small well</div>

<div class=”alert alert-info”>blue alert box</div>

\*instead of *info,* you can also use: danger, muted, success…\*

<div class=”alert alert-danger fade in”>Dismissal alert box

<a href=”#” class=”close” data-dismiss=”alert” aria-label=”close”>&times;</a>

</div>

Sidebar menu

<div id=”wrapper”>

<!—sidebar-->

<div id=”sidebar-wrapper”>

<ul class=”sidebar-nav”>

<li><a>Account</a></li>

<li><a>Log out</a></li>

</ul>

</div>

<!—main content-->

<div id=”page-content-wrapper”>

<div class=”container-fluid”>

<div class=”row”>

<div class=”col-lg-12”>

<a href=”#” class=”btn btn-success” id=”menu-toggle”>Toggle menu</a>

<h1>Content</h1>

<p>Content</p>

</div>

</div>

</div>

</div>

</div>

<!—menu toggle script-->

<script>

$function(){

$(‘#menu-toggle’).click(function(e){

e.preventDefault(e);

$(‘#wrapper’).toggleClass(‘menuDisplayed’)

});

});

*\*the follow code in CSS\**

#sidebar-wrapper{

z-index:1;

position:absolute;

width:0;

height:100%;

overflow-x:hidden;

}

#page-content-wrapper{

Width:100%;

Position:absolute;

Padding:15px;

}

/\*change width of side bar to display it\*/

#wrapper.menuDisplayed #sidebar-wrapper{

Width:250px;

}

#wrapper.menuDisplayed #page-content-wrapper{

Padding-left:250px;

}

/\*add styling below\*/

Different device layouts

<div class=”row”>

<div class=”col-xs-12 col-md-6”>Text</div>

<div class=”col-xs-12 col-md-6>Text</div>

</div>

*\*The above would display 2 blocks side by side on larger screens, whereas on a phone, each div would take up the full screen, due to the class attributes\**

Offset columns using: *class=”col-md-9 col-md-offset-3”*

To nest rows:

<div class=”row”>

<div class=”col-md-9” style=”padding:30px”>Parent</div>

<div class=”row”>

<div class=”col-md-6”>Child 1</div>

<div class=”col-md-6>Child 2</div>

</div>

</div>

\**due to the nested rows, the parent div, although only 9 columns taken, would act as a new 12 column grid for the child div row\**

Push & Pull

Push = move right, Pull = move left.

Use this method to change the position of columns

<div class=”row”>

<div class=”col-md-6 col-md-push-6”>Column A</div>

<div class=”col-md-6 col-md-pull-6”>Column B</div>

</div>

\*above example only applies to device sizes *md* or above\*

\*the above will show column B first, instead of column A\*

Login Modal

<div class=”container”>

<h3>Log in demo</h3>

<button type=”button” class=”btn btn success” data-toggle=”modal” data-target=”#popUpWindow”> Open log in window</button>

<div class=”modal fade” id=”popUpWindow”>

<div class=”modal-dialog”>

<div class=”modal-content”>

<!--header-->

<div class=”modal-header”>

<button type=”button” class=”close” data-dismiss=”modal”>&times;</button>

<h3 class=”modal-title”>Log in</h3>

</div>

<!--body-->

<div class=”modal-body”>

<form role=”form”>

<div class=”form-group”>

<input type=”email” class=”form-control” placeholder=”email”/>

<input type=”password” class=”form- control” placeholder=”password”/>

</div>

</form>

</div>

<!--footer-->

<div class=”modal-footer”>

<button class=”btn btn-primary btn-block”>

Log in</button>

</div>

</div>

</div>

</div>

**Test**

1. What is the metatag you need in the HTML file to make responsive content?
2. List the 2 different types of containers and give examples
3. Make some code so that in phone devices 2 ‘columns’ are placed on top of each other, but when the device is a tablet or bigger, the 2 ‘columns’ are side by side
4. Know the grid system and text style tables off by heart
5. Create a table in bootstrap
6. Create a responsive rounded image, and a responsive video
7. Create a navbar with a dropdown menu, which when on a phone device transforms in to a navbar toggle button
8. Create a sidebar menu
9. Give an example of nesting rows
10. What does the push and pull method do? Give example
11. Create some login modal code
12. Learn some new techniques of bootstrap by visiting their website