### Bootstrap

* HTML, CSS, JS + JQUERY framework/library to make mobile-first websites
* automatically makes the website responsive
* use bootstrap if you dont have time or dont want to make other formats for your website (bootstrap will make it for you)

### Learn links

* this learn book part is mainly for explaining some minor details

<https://getbootstrap.com/docs/4.2/getting-started/introduction/>

<https://medium.freecodecamp.org/bootstrap-4-everything-you-need-to-know-c750991f6784>

**2 ways:**

* downloading all the source files directly into our root folder using CMD (command line) => open cmd and find your folder => type:

npm init -y

npm i bootstrap jquery popper.js –save

npm i gulp browser-sync gulp-sass -dev

(recomended method)

### Import into SCSS stylesheet

@import „node\_modules/bootstrap/scss/bootstrap“;

* using a CDN network (Content delivery network) => we can load all the files faster => using the first one will be slower because while loading the server it has to find a nearby server, but using the second one CDN shares all servers around the world. **CANT USE SASS!**

### Copy/paste

<!doctype html>

<html lang=“en“>

<head>

<!-- Required meta tags -->

<meta charset=“utf-8“>

<meta name=“viewport“ content=“width=device-width, initial-scale=1, shrink-to-fit=no“>

<!-- Bootstrap CSS -->

<link rel=“stylesheet“ href=“<https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css>“ integrity=“sha384-GJzZqFGwb1QTTN6wy59ffF1BuGJpLSa9DkKMp0DgiMDm4iYMj70gZWKYbI706tWS“ crossorigin=“anonymous“>

<title>Hello, world!</title>

</head>

<body>

<h1>Hello, world!</h1>

<!-- Optional JavaScript -->

<!-- jQuery first, then Popper.js, then Bootstrap JS -->

<script src=“<https://code.jquery.com/jquery-3.3.1.slim.min.js>“ integrity=“sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo“ crossorigin=“anonymous“></script>

<script src=“<https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.6/umd/popper.min.js>“ integrity=“sha384-wHAiFfRlMFy6i5SRaxvfOCifBUQy1xHdJ/yoi7FRNXMRBu5WHdZYu1hA6ZOblgut“ crossorigin=“anonymous“></script>

<script src=“<https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js>“ integrity=“sha384-B0UglyR+jN6CkvvICOB2joaf5I4l3gm9GU6Hc1og6Ls7i6U/mkkaduKaBhlAXv9k“ crossorigin=“anonymous“></script>

</body>

</html>

### Get the document ready

* bootstrap works with HTML5 only so use **<!DOCTYPE html>**
* add wanted language **<html lang=“en“>**
* because bootstrap is a mobile-first responsive framework, you have to add the <meta name=“viewport“ content=“width=device-width, initial-scale=1, shrink-to-fit=no“>

## Introduction

### Containers (mmtuts)

* in bootstrap we like to use containers (for example: <div class=“container“>)
* **container** = **sets a fixed width**, which is defined in css file we imported => so the content wont go all the way of the width of the browser
* **container-fluid** = all the content is going to go from the left side to the right side of the screen

### Grid system (mmtuts)

* Example: we have a section that we need to split into 3 parts
* **row =** rowgrid/layout
* **col =** collumn grid/layout
* then you need to decide for which device it will be optimized

**(xs = portrait mobile, sm = mobile, md = tablet, lg = desktops, xl = larger desktops)**

* Then you need to tell it how many parts do you want it to be split into

(take the number 12 - bootstrap has 12 grids going across - and divide it with „your number of parts“)

* the containers will jump underneath each other when entere the **sm** format

# <div class=“container-fluid“

<div class=“row“>

<div class=“col-sm-4“>This is the left side</div>

<div class=“col-sm-4“>This is the center</div>

<div class=“col-sm-4“>This is the right side</div>

</div>

</div>

### Fonts in bootstrap (mmtuts)

* bootstrap changes the default styling of your text inside your browser
* you get a default margin

### Font Tags (mmtuts)

**<small>** = makes the text smaller

**<mark>** = highlights the text

<abbr tittle=“text means this is a paragraph“>text</abbr> = explanation

<blockquote>Fuck bitches<footer>Hitler</footer></blockquote> = quote

**<p>Here is some come examples:<code><p>Hi there, <mark>this is some text!</mark></p></code></p> (makes a code example)**

**<kbd>ctrl + shift + n</kbd>**

* you can also use classes as stylings

# <class =“text-success/danger/warning“>

<class =“bg-success/danger/warning“ (same but with background color)

## Nav bar

<https://getbootstrap.com/docs/4.2/components/navbar/?#how-it-works>

* .navbar-brand for your company, product, or project name (logo)
* .navbar-nav for a full-height and lightweight navigation (including support for dropdowns).
* .navbar-toggler for use with our collapse plugin and other [navigation toggling](https://getbootstrap.com/docs/4.2/components/navbar/?#responsive-behaviors) behaviors.
* .form-inline for any form controls and actions.
* .navbar-text for adding text which goes onto another line if done in code
* .collapse hides the content
* .navbar-collapse makes the content collapse onto another line

### Spacing

* in class use:

m => for margin

p => for padding

t, r, b, l => for top, right, bottom, left

y => for top and bottom

x => for right and left

mr-auto => pushes the content to the left side **(important)**

my-sm-0 => from tablet version it deletes all the margin **(important)**

example: my-2 my-sm-0 (mobile version adds 2 margin top and bottom, from tablet version it deletes all the margin)

### Text-manipulation

* h1 – h6 => setting it as header, can be use as a small sizer
* display-(1-4) => making the text bigger
* active and disabled (active makes the tex more visible, and disabled makes it less visible and not clickable)
* <hr> => creates a divider

### Button

<p>

<a class=“btn btn-primary btn-lg“ href=“#“ role=“button“>Learn more</a>

</p>

### Responsive custom styling

* add this to your style sheet and style

@include media-breakpoint-up(lg) {

html {

font-size: 50px;

}

}