FL8. Offline. Lesson 1. CSS Frameworks

**DEADLINE:** 18/03/2018

## FOLDER STRUCTURE

Homework\_1/

├─ styles/

├─ bootstrap.min.css

├─ styles.less

└─ \*.less

├─ img/

├─ js/

├─ bootstrap.min.js

├─ \*.js (required by bootstrap scripts)

└─ less.min.js

└─ index.html

## TASK

Create a responsive web-page according to provided designs using bootstrap v.4 framework and less style preprocessor.

* Responsive HTML/CSS layout should be created according to provided designs
* Bootstrap framework should be used
  + Use grid
  + Use Navbar, it should be collapsible on mobile screens
  + Use default breakpoints:

mobile < 767.98px, tablet < 991.98px, desktop < 1199.98px

* Less preprocessing should be used in this project
  + Usage of variables
  + Usage of importing
  + Usage of nesting
  + Variables should be stored in separate variables.less file and imported to styles.less
* There is no need to write any javascript in this task
* All required texts can be found in content.txt file
* Colors used in this project:

blue: #2A74BF;

red: #D7514C;

green: #4D944B;

orange: #D8C11D;

grey: #666;

**Setup:**

- Download the latest version(v.4) of bootstrap framework

- Project requires only bootstrap.min.css, bootstrap.min.js files from downloaded pack.

- Note that many of bootstrap components require the use of JavaScript to function. Specifically, they require jQuery, Popper.js,. This means that the jQuery.js, Popper.js must be downloaded from official sites, stored in /js folder and included in html page before bootstrap plugin files.

- Include links to bootstrap.min.css and to your styles.less file into page, no other styles should be included.

- Download less.js to compile less on browser side

- Include less.js in the head element of your index.html file

**Styles:**

The only custom module on page is the 'related-class' module, it should have its own separate css rules for inner styles, but it's width and position should be managed by bootstrap grid.

The only places where override of bootstrap styles is required are active navbar element and a page-headers.

Overriding of styles could be done inside styles.less file using the same css selector for customized element which is used by bootstrap itself.

## RESTRICTIONS

* Bootstrap source files shouldn't be touched at all
* No need to use any of build systems(grunt, gulp, webpack)

## BEFORE SUBMIT

* Check responsive views

## USEFUL LINKS

* <http://lesscss.org/>
* <https://getbootstrap.com/>