**Preprocessors**

**DEADLINE:** 27/01/2019

## **FOLDER STRUCTURE**

|  |  |
| --- | --- |
| FLX\_homework\_3/\*     └─ task/  └─ design/  └─ templates…      └─ FLX\_homework\_3.docx  └─ homework/\*     └─ css/\*  └─ style1.css\*  └─ style2.css\*     └─ img/\*  └─ images…\*     └─ scss/\*  └─ \_main.scss\*  └─ \_variables1.scss\*  └─ \_variables2.scss\*  └─ style1.scss\*  └─ style2.scss\*     └─ index.html\*     └─ koala-config.json\* | \* ­­­- required |

## **TASK**

In this archive you can find an index.html file with provided page markup, images, some prepared .scss files, and a design/ folder with expected results.

Your task is to generate two different css files according to design.

* All required css rules and scss **mixins** should be written in **\_main.scss** andvariables should be defined in **\_variables1.scss** and **\_variables2.scss** files
* Do not change files **scss/style1.scss** and **scss/style2.scss**. They already import all necessary partials
* Add **form** fields in **index.html** files in **TODO** section and style them
* **scss** file should use a nesting syntax
* **index.html** by default should use **style1.css** for styling
* All distances between blocks should be set by yourself (tips: you can use Pixel perfect browser addon, but it isn’t required)
* Header section with background image should take 100% of height and width of the viewport
* No requirements for browser support (should correctly work in last version of Google Chrome)

Please use [koala-app](http://koala-app.com/) for compiling. Find a koala-config.json config file where compilation path is already set.

## **EXPECTED RESULTS**

The **styles1.css** and **style2.css** are generated from source files.

Page design should match desing1.png. When page is switched to use styles2.css by changing link to <link rel=“stylesheet" href="css/style2.css"> it should match design2.png.

You can switch styles manually in header section of index.html.

## **EXAMPLE**

\_main.scss:

body {

*background: $contentBackground;*

}

main {

*margin*: *0 auto;*

*width*: *960px;*

}

...

\_variables1.scss:

*$contentBackground: #fff;*

...

\_variables2.scss:

*$contentBackground: #660;*

## **FONTS AND COLORS**

Fonts:

1. normal 300 15px/24px Roboto, Ubuntu, Cantarell, Helvetica ,sans-serif;
2. normal 18px/26px "Palatino Linotype", "Book Antiqua", Palatino, serif;

Feel free to use any tool which will help you to pick the right color. Colors should be as close to design as possible.

## **RESTRICTIONS**

* Do not use any CSS framework for this homework.
* Do not use any others scss compilers except koala.

## **BEFORE SUBMIT**

* Make sure you’ve done all steps, described above and homework result match the designs;
* \*.scss files compiles without any errors;
* Make sure your code is well-formatted, and validated via validator:

HTML: <https://validator.w3.org/>

CSS: css validation isn’t required.

## **SUBMIT**

* The folder should be uploaded to github repository **“FLX**” into **master** branch

## **USEFUL LINKS**

* <http://koala-app.com/>
* <https://sass-lang.com/guide>