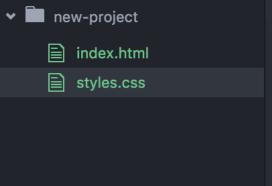


Riku Rouvila github.com/rikukissa



```
index.html
      <!DOCTYPE html>
      <html>
        <head>
          <link rel="stylesheet" href="index.css">
          <meta charset="utf-8">
        </head>
        <body>
          <h1 class="title">
            Riku's homepage
          </h1>
                                                      10
          Welcome to my homepage!
          <button class="button">
            Click for dänk memes
          </button>
        </body>
      </html>
19
```

```
border: 1px solid transparent;
                                                                                    btn-default:hover {
                                                                                                                                                                 bootstrap.css:3060
 border-radius: 4px;
                                                                                      color: #333;
                                                                                      background-color: #e6e6e6;
                                                                                      border-color: ► #adadad;
.btn:focus,
.btn:active:focus,
.btn.active:focus,
                                                                                    .btn.focus, .btn:focus, .btn:hover {
                                                                                                                                                                     buttons.less:36
.btn.focus,
                                                                                      color: #333:
                                                                                      text-decoration: none;
.btn:active.focus,
.btn.active.focus {
 outline: 5px auto -webkit-focus-ring-color;
                                                                                    .btn-default {
                                                                                                                                                                 bootstrap.css:3049
 outline-offset: -2px;
                                                                                      color: #333;
                                                                                      background-color: #fff;
                                                                                      border-color: ► #ccc;
.btn:hover,
.btn:focus,
                                                                                    .btn {
                                                                                                                                                                     buttons.less:13
.btn.focus {
                                                                                      display: inline-block;
 color: #333;
                                                                                      padding: ▶ 6px 12px;
  text-decoration: none:
                                                                                      margin-bottom: 0;
                                                                                      font-size: 14px;
.btn:active,
                                                                                      font-weight: 400;
.btn.active {
                                                                                      line-height: 1.42857143;
 background-image: none;
                                                                                          -align: center;
 outline: 0;
                                                                                              nowrap;
 -webkit-box-shadow: inset 0 3px 5px rgba(0, 0, 0, .125);
                                                                                               align: middle;
         box-shadow: inset 0 3px 5px rgba(0, 0, 0, .125);
                                                                                                -action: manipulation;
                                                                                                ion: manipulation;
                                                                                               ointer;
.btn.disabled,
                                                                                              -user-select: none;
.btn[disabled],
                                                                                        muz-user-select: none;
fieldset[disabled] .btn {
                                                                                      -ms-user-select: none;
 cursor: not-allowed;
                                                                                    user-select: none;
 filter: alpha(opacity=65);
                                All selectors ar
                                                                                      backgrou d-ima e: none;
  -webkit-box-shadow: none;
                                                                                                                     <sup>it;</sup> $CO|0=0
         box-shadow: none;
 opacity: .65;
                                                                                                                                                                 scaffolding.less:41
                                                                                   button, input, select, textarea {
.caret {
                                                                                      font-family: inherit;
 display: inline-block;
                                                                                      font-size: inherit;
 width: 0;
                                                                                      line-height: inherit;
 height: 0;
 margin-left: 2px;
                                                                                   button, html input[type=button], input[type=reset], input[type=submit] {
                                                                                                                                                                 normalize.less:290
 vertical-align: middle;
                                                                                      -webkit-appearance: button;
 border-top: 4px dashed;
                                                                                      cursor: pointer;
 border-top: 4px solid \9;
 border-right: 4px solid transparent;
                                                                                                                                                                 normalize.less:277
                                                                                   button, select {
 border-left: 4px solid transparent;
                                                                                      text-transform: none;
.dropup,
                                                                                   button {
                                                                                                                                                                 normalize.less:266
.dropdown {
                                                                                      overflow: ▶ visible;
 position: relative;
                                                                                   button, input, optgroup, select, textarea {
                                                                                                                                                                 normalize.less:252
.dropdown-toggle:focus {
                                                                                      margin: ▶0;
 outline: 0;
                                                                                      font: ▶ inherit;
                                                                                      color: inherit:
.dropdown-menu {
 position: absolute;
                                                                                                                                                                 bootstrap.css:1062
 top: 100%;
                                                                                      -webkit-box-sizing: border-box;
  left: 0;
                                                                                      -moz-box-sizing: border-box;
  z-index: 1000;
                                                                                      box-sizing: border-box;
 display: none;
```



```
window.char = '#';
window.length = 100;
window.points = 0;
window.paused = true;
window.emptyChar = '-';
window.startGame = function startGame() {
  window.paused = false;
  window.players = [];
  for(window.i = 0; window.i < 10; window.i++) {</pre>
    window.players.push(new window.Player());
  window.game.start(players);
```

ш3schools.com



HTML

CSS

JAVASCRIPT

SQL

PHP

BOOTSTRAP

JS Tutorial

JS HOME

JS Introduction

JS Where To

JS Output

JS Syntax

JS Statements

JS Comments

JS Variables

JS Operators

JS Arithmetic

JS Assignment

JS Data Types

JS Functions

JS Objects

JS Scope

IC Evente

JavaScript Best Practices

« Previous

Avoid global variables, avoid new, avoid ==, avoid eval()

Avoid Global Variables

Minimize the use of global variables.

This includes all data types, objects, and functions.

Global variables and functions can be overwritten by other scripts.

Use local variables instead, and learn how to use <u>closures</u>.

BEM

.Block__Element—modifier

```
.button {
 padding: 6px 12px;
 background: blue;
.button__icon {
 display: inline-block;
 width: 12px;
 height: 12px;
.button--disabled {
 opacity: 0.5;
 cursor: not-allowed;
.dropdown {
 position: relative;
.dropdown__toggle-button {
 background: red;
.dropdown__menu {
 position: absolute;
 top: 100%;
 left: 0;
 z-index: 1000;
```

Locally scoped CSS files

button.css

.button { /* ... */ }

header.css

.button { /* ... */ }

dropdown.css

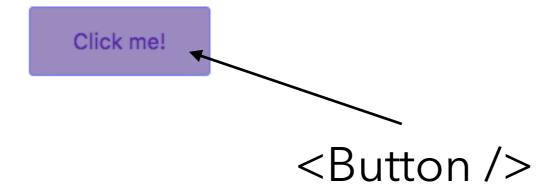
.button { /* ... */ }

search.css

.button { /* ... */ }

My app Home Portfolio Contact me

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Sed posuere interdum sem. Quisque ligula eros ullamcorper quis, lacinia quis facilisis sed sapien. Mauris varius diam vitae arcu. Sed arcu lectus auctor vitae, consectetuer et venenatis eget velit. Sed augue orci, lacinia eu tincidunt et eleifend nec lacus.

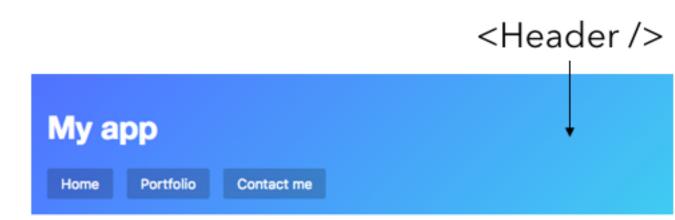


header.css

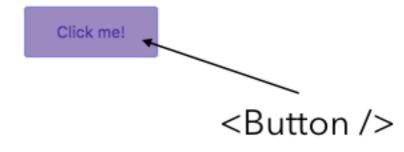
```
.header {
  background: linear-gradient(135deg, #6069ff 0%, #53cbf1 100%);
  padding: lem;
  color: #fff;
}
.btn {
  padding: 0.5em 1em;
  border: 0;
  background: rgba(0, 0, 0, 0.2);
  color: #fff;
  font-size: 14px;
  margin-right: 1em;
  border-radius: 3px;
}
```

button.css

```
.btn {
  padding: 1em 2em;
  border: 1px solid #776fec;
  background: #9c88bf;
  border-radius: 3px;
  cursor: pointer;
  font-size: 16px;
  color: #5b11a7;
}
```



Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Sed posuere interdum sem. Quisque ligula eros ullamcorper quis, lacinia quis facilisis sed sapien. Mauris varius diam vitae arcu. Sed arcu lectus auctor vitae, consectetuer et venenatis eget velit. Sed augue orci, lacinia eu tincidunt et eleifend nec lacus.

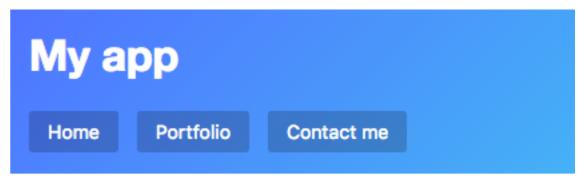


```
<link rel="stylesheet" href="/css/button.css">
<link rel="stylesheet" href="/css/header.css">
```

```
.btn {
                                      header.css:10
  padding: ▶0.5em 1em;
  border: ▶0;
  background: ► I rgba(0, 0, 0, 0.2);
  color: #fff;
  font-size: 14px;
  margin-right: 1em;
  border-radius: ►3px;
.btn {
                                       button.css:2
  padding: ▶ 1em 2em;
  border: ▶ 1px solid #776fec;
  background: ▶ #9c88bf;
  border-radius: ▶ 3px;
  cursor: pointer;
  font-size: 16px;
  color: #5b11a7;
```

Without CSS Modules

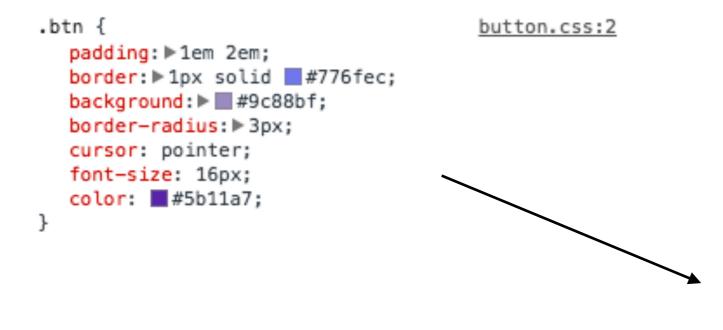
```
.btn {
                                                                                                                                                                                                                                                                                         header.css:10
                   padding: ▶0.5em 1em;
                   border: ▶0;
                   background: ► = rqba(0, 0, 0, 0.2);
                   color: #fff;
                   font-size: 14px;
                  margin-right: 1em;
                   border-radius: ▶ 3px:
.btn {
                                                                                                                                                                                                                                                                                                button.css:2
                   padding: ▶ 1em 2em;
                   border: ▶ 1px solid #776fec;
                   background: Mackground: Mackgr
                   border-radius: ▶ 3px;
                   cursor: pointer;
                   font-size: 16px;
                   color: #5b11a7;
```

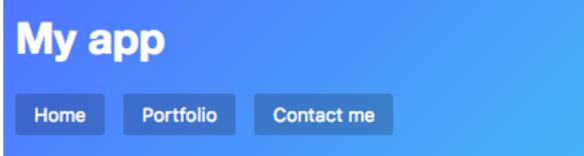


Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Quisque ligula eros ullamcorper quis, lacinia quis facilisis diam vitae arcu. Sed arcu lectus auctor vitae, consectetue augue orci, lacinia eu tincidunt et eleifend nec lacus.

Click me!

With CSS Modules





Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Se Quisque ligula eros ullamcorper quis, lacinia quis facilisis sec diam vitae arcu. Sed arcu lectus auctor vitae, consectetuer e augue orci, lacinia eu tincidunt et eleifend nec lacus.

Click me!

Generated CSS file

```
.page__page__1ut7d {
                                      padding: 1em;
                                    .button__btn___30KE4 {
                                      padding: 1em 2em;
                                      border: 1px solid #776fec;
                                      background: #9c88bf;
                                      border-radius: 3px;
button.css
                                      cursor: pointer;
.btn
                                      font-size: 16px;
                                      color: #5b11a7;
                                    .header__header__sBbZe {
                                      background: linear-gradient(135deg, #6069ff 0%, #53c
                                      padding: 1em;
                                      color: #fff;
                                    .header__btn___3bEoh {
                                      padding: 0.5em 1em;
header.css
                                      border: 0;
                                      background: rgba(0, 0, 0, 0.2);
.btn
                                      color: #fff;
                                      font-size: 14px;
                                      margin-right: 1em;
```

border-radius: 3px;

html, body {

margin: 0;

font-family: 'Helvetica Neue';

Header.js

```
import React from 'react';
export default React.createClass({
  render() {
    return (
      <div className="header">
        <h1>My app</h1>
        <button className="btn">
          Home
        </button>
        <button className="btn">
          Portfolio
        </button>
        <button className="btn">
          Contact me
        </button>
      </div>
});
```

Generated CSS

```
.header__sBbZe {
 background: linear-gradient(135deg,
 padding: 1em;
 color: #fff;
.header__btn__3bEoh {
 padding: 0.5em 1em;
 border: 0;
 background: rgba(0, 0, 0, 0.2);
 color: #fff;
 font-size: 14px;
 margin-right: 1em;
 border-radius: 3px;
```

.header !== .header_header_sBbZe

Header.js

```
import React from 'react';
import styles from './header.css';

{
  header: 'header__header__sBbZe',
  btn: 'header__btn__3bEoh'
}
```

Header.js

```
import React from 'react';
import styles from './header.css';
export default React.createClass({
 render() {
    return (
      <div className={styles.header}>
        <h1>My app</h1>
        <button className={styles.btn}>
          Home
        </button>
        <button className={styles.btn}>
          Portfolio
        </button>
        <button className={styles.btn}>
          Contact me
        </button>
      </div>
});
```

```
.header__header__sBbZe {
 background: linear-gradient(135deg, #6069ff 0%, #5
 padding: 1em;
 color: #fff;
.header__btn___3bEoh {
 padding: 0.5em 1em;
 border: 0;
 background: rgba(0, 0, 0, 0.2);
 color: #fff;
 font-size: 14px;
 margin-right: 1em;
 border-radius: 3px;
```

No more classname collisions

- Much easier to come up with descriptive names
- You don't have to worry about breaking other modules

Explicit style dependency

- No separate "styling" concept

My app



```
<MyApp />
  <Page /> logic + markup
   <Header /> logic + markup
  <Button /> logic + markup
```

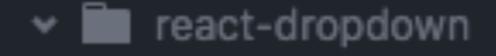
CSS styles

My app

```
<MyApp />
  <Page /> logic + markup + page styles
   <Header /> logic + markup + header styles
   <Button /> logic + markup + button styles
```

Explicit style dependency

- No separate "styling" concept
- Easy use third party components



- ✓ im dist
 - index.js
 - LICENSE
 - package.json
 - README.md
 - style.css

Separation of real CSS classes

- You can refactor your CSS without having to modify your components
- It is possible to automatically optimize CSS and remove unused styles

```
{
  header: 'optimized___SDS32 optimized___bSyH2p optimized___jhSH4p'
}
```



koodiklinikka.fi

Slack-yhteisö kaikille ohjelmoinnista ja ohjelmistoalasta kiinnostuneille harrastajille ja ammattilaisille.

