



CSS МЕТОДОЛОГИИ

от О до Б (Алексей Охрименко) IROPONWEB

АЛЕКСЕЙ ОХРИМЕНКО

TWITTER:
AI BOY

setInterval(moveIt)



т-магазин Плеер.ру!

ан. Номер Вашего резерва: **404**



- <https://telegram.me/angular2>
- https://telegram.me/react_js
- https://telegram.me/nodejs_ru
- https://telegram.me/typescript_ru
- <https://telegram.me/JSlang>
- <https://github.com/aiboy/awesome-telegram-ru>



One framework.
Mobile & desktop.

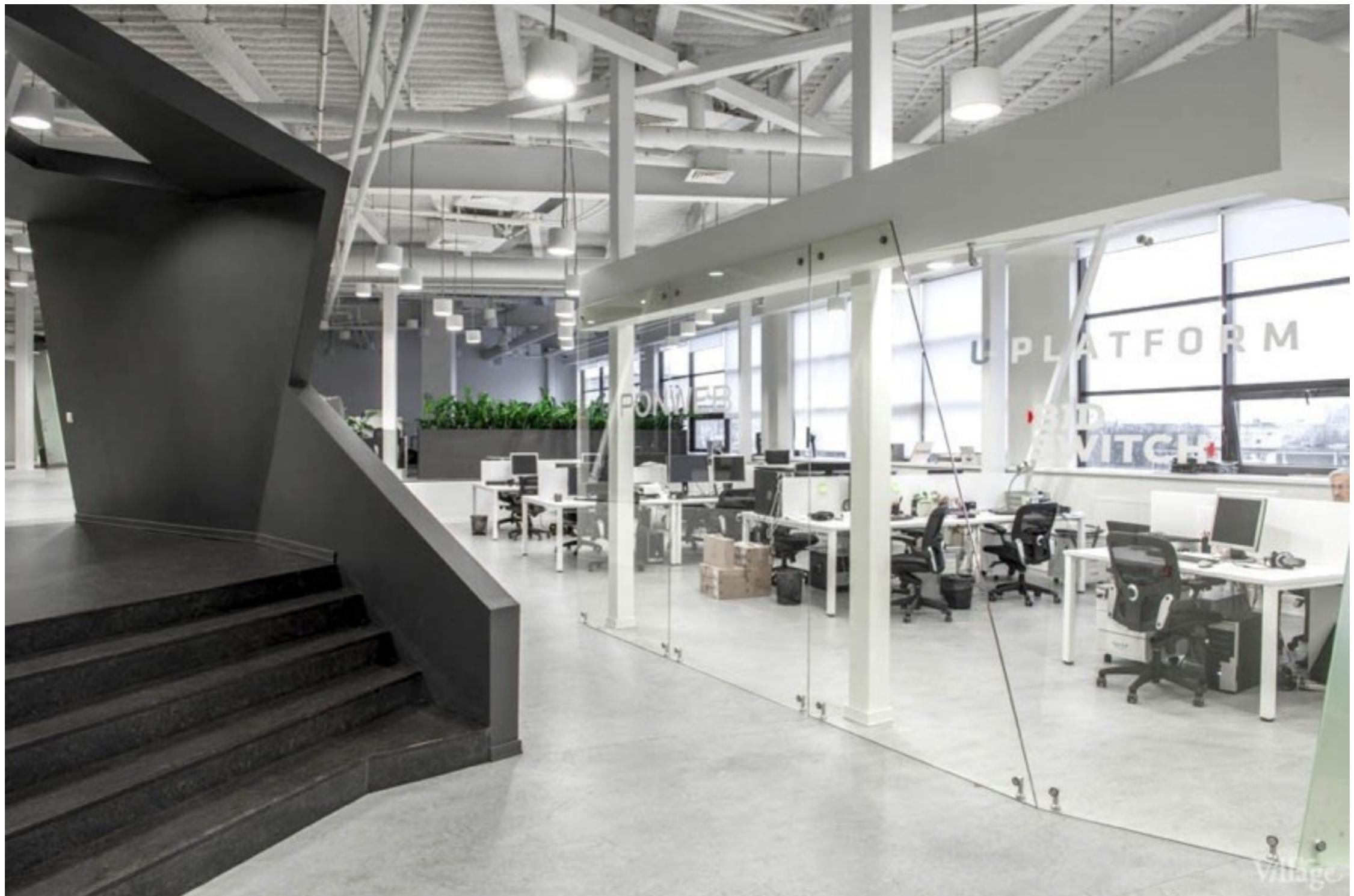
GET STARTED

Angular 2 meetup

<https://telegram.me/angular2>

FACEBOOK - ANGULAR 2 - RU

IPONWEB





ЗАЧЕМ ВАМ ЭТОТ ДОКЛАД?

- Знаете < 2

ЗАЧЕМ ВАМ ЭТОТ ДОКЛАД?

- Знаете < 2
- CSS-модули победили

ЗАЧЕМ ВАМ ЭТОТ ДОКЛАД?

- Знаете < 2
- CSS-модули победили
- ВЕМ победил

ЗАЧЕМ ВАМ ЭТОТ ДОКЛАД?

- Знаете < 2
- CSS-модули победили
- ВЕМ победил
- CSS препроцессоров достаточно

ЗАЧЕМ ВАМ ЭТОТ ДОКЛАД?

- Знаете < 2
- CSS-модули победили
- BEM победил
- CSS препроцессоров достаточно
- CSS-методологии не нужны

CSS- МЕТОДЛОГИИ

CSS-МЕТОДОЛОГИИ

КТО КАКИЕ ЗНАЕТ?

СКОЛЬКО ИХ
ВООБЩЕ?

We've found 69 repository results

kneath/kss

A **methodology** for documenting **CSS** and generating styleguides.

Updated on Aug 7



operatino/MCSS

[Frozen] Multilayer **CSS** organization **methodology**

Updated on Apr 24, 2015

**CSS
МЕТОДОЛОГИЯ
ЭТО ...**

**НЕ CSS И НЕ
СПОСОБ РЕШЕНИЯ
CSS ПРОБЛЕМ**

Ctrl + **C**

Ctrl + **V**



Sass vs *stylus*
{less}

**НЕ
ВИЗУАЛЬНЫЕ
ПАТТЕРНЫ**



RU

Главная

Мой канал

В тренде

Подписки 30

Просмотренные

Посмотреть позже

Покупки 11

БИБЛИОТЕКА

Favorites

Angular 2

All Nightcore



Oleksii Okhrymenko @Ai_boy · 17h

Want some democracy on your #github
let people vote! :) #vote #feature #featu



1



Oleksii Okhrymenko @Ai_boy · Aug 2

Динамический template для #Angular2
blog.lacolaco.net/post/dynamic-c... нем
статья устарела, но есть куда рыть



You Retweeted



Веб-стандарты @webstandards_ru · Jul 29

Silo Buster, генератор метаразметки,
красиво в соцсетях и поиске — auto

Page Title

Your Page Title

Output Markup

23

<-- Update your html tag to



NICOLE SULLIVAN

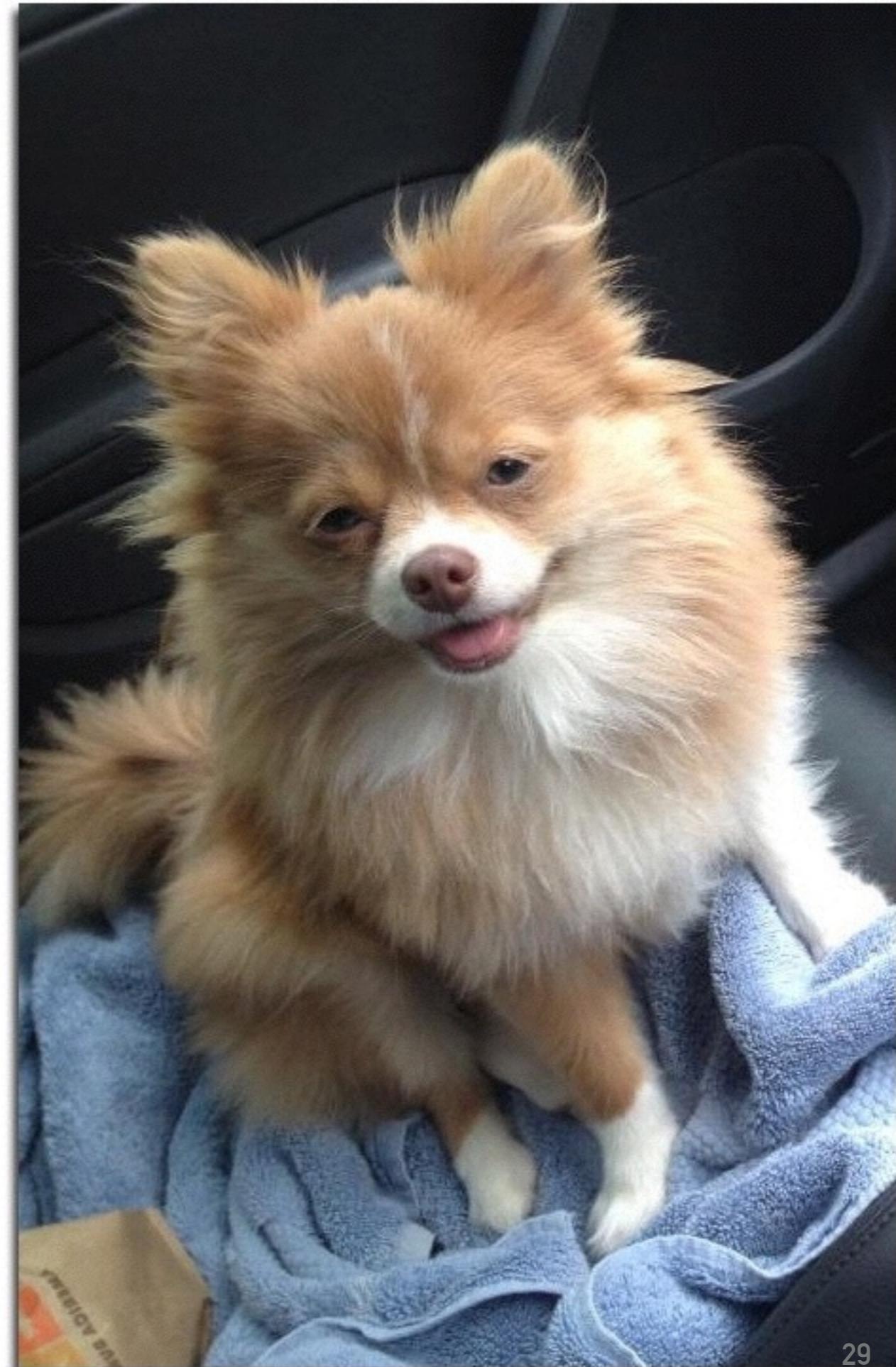
MEDIA OBJECT

НЕ дизайн ПАТТЕРНЫ

```
.media {  
    width: 400px;  
    background: skyblue;  
}  
.media, .bd {  
    overflow:hidden;  
}  
.media .img {  
    float:left;  
    margin-right: 10px;  
}  
.media .img img {  
    display:block;  
}
```

```
.media {  
    display: flex;  
    align-items: flex-start;  
}  
  
.media-figure {  
    margin-right: 1em;  
}  
  
.media-body {  
    flex: 1;  
}
```

НЕИДЕОЛОГИЯ



WET VS DRY

WRITE EVERYTHING TWICE

VS

DON'T REPEAT YOURSELF

СЕМАНТИЧНАЯ

VS

ФУНКЦИОНАЛЬНАЯ

СЕМАНТИЧНАЯ ИДЕОЛОГИЯ

```
<div class="app">
  <div class="feed"></div>
  <div class="profile"></div>
  <div class="aside"></div>
</div>
```

```
.feed {
  border: 1px solid red;
  width: 300px;
  height: 50px;
}

.profile {
  border: 1px solid red;
  width: 300px;
  height: 50px;
}

.aside {
  border: 1px solid red;
  width: 300px;
  height: 50px;
}
```

ФУНКЦИОНАЛЬНАЯ ИДЕОЛОГИЯ

```
<div class="app">
  <div class="box"></div>
  <div class="box"></div>
  <div class="box"></div>
</div>
```

```
.box {
  border: 1px solid red;
  width: 300px;
  height: 50px;
}
```

СЕМАНТИЧНАЯ ИДЕОЛОГИЯ

```
<div class="app">
  <div class="feed"></div>
  <div class="profile"></div>
  <div class="aside"></div>
</div>
```

```
.feed {
  border: 1px solid red;
  width: 300px;
  height: 50px;
}

.profile {
  border: 1px solid blue;
  width: 300px;
  height: 50px;
}

.aside {
  border: 1px solid red;
  width: 300px;
  height: 50px;
}
```

ФУНКЦИОНАЛЬНАЯ ИДЕОЛОГИЯ

```
<div class="app">
  <div class="box"></div>
  <div class="box new"></div>
  <div class="box"></div>
</div>
```

```
.box {
  border: 1px solid red;
  width: 300px;
  height: 50px;
}
```

```
.new {
  border: 1px solid blue;
}
```

<http://www.csszengarden.com>

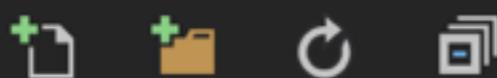
CSS ZEN GARDER

CSS МЕТОДОЛОГИЯ ЭТО..

- НЕ CSS И ЭТО НЕ ТОЛЬКО О ПРОБЛЕМАХ CSS
- НЕ ВИЗУАЛЬНЫЕ ПАТТЕРНЫ
- НЕ ДИЗАЙН ПАТТЕРНЫ
- НЕ ИДЕОЛОГИЯ

**ТАК ЧТО-ЖЕ ТОГДА
CSS-МЕТОДОЛОГИЯ?**

EXPLORER



index.js

view.css

X

bundle.css
bundle.js
index.html

▲ src

 ▲ app

 ▲ helpers

 fetch.js

 jsonview.js
 noopview.js
 observer.js
 simplepromise.js

 ▲ main

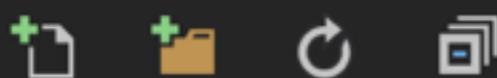
 controller.js
 index.js
 store.js

 view.css

 view-d3.js
 view-json.js

```
1 .item {  
2   padding: 20px;  
3   margin: 10px;  
4   background: #skyblue;  
5 }  
6  
7 .item__selected {  
8   background: #red;  
9 }  
10
```

EXPLORER



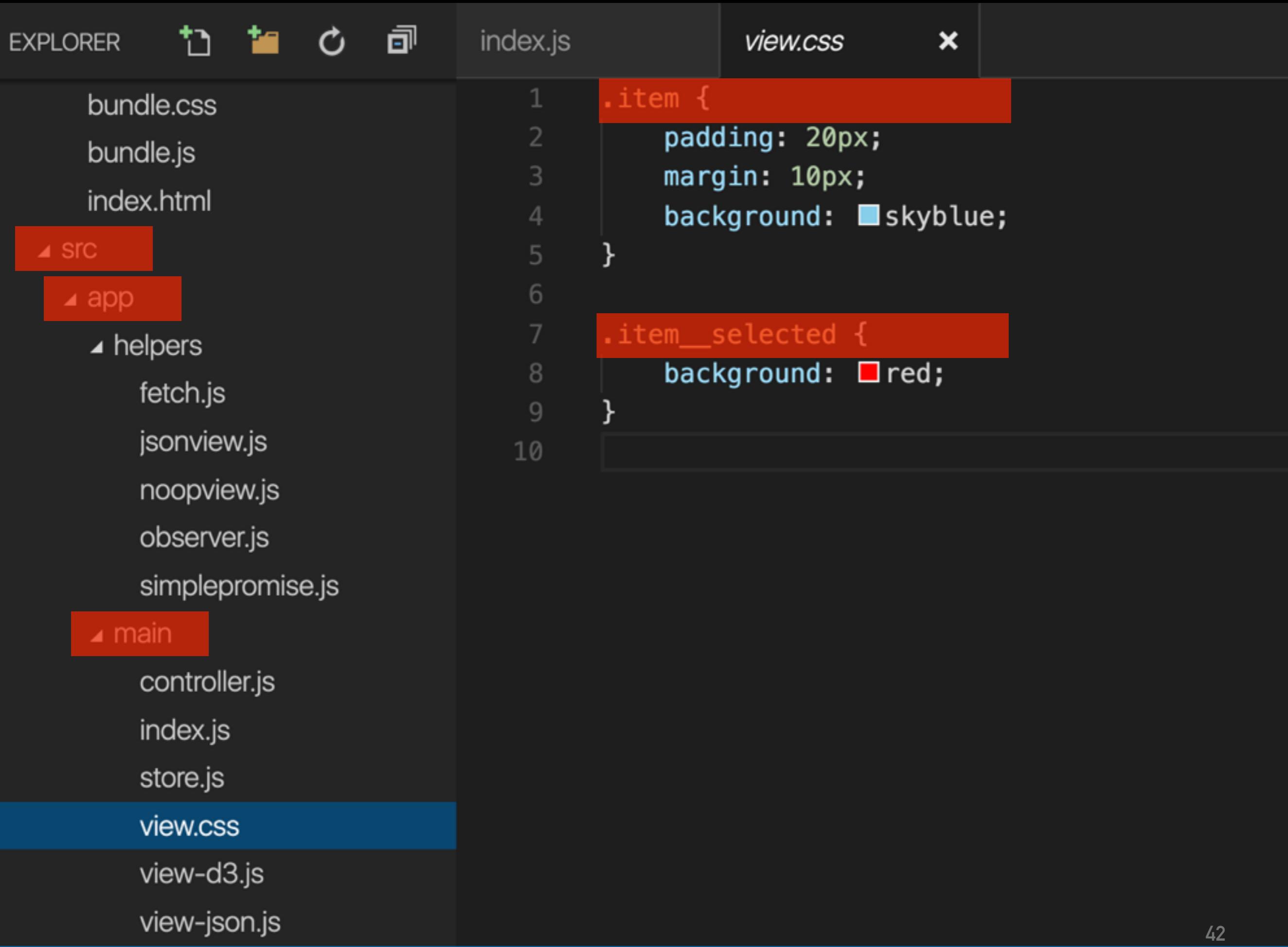
index.js

view.css

X

bundle.css
bundle.js
index.html
▶ src
 ▶ app
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 fetch.js
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6  
7 .item__selected {  
8   background: #red;  
9 }  
10
```



**ВСЕГО ЛИШЬ
НАБОР ПРАВИЛ**

ТФЬУ-CSS

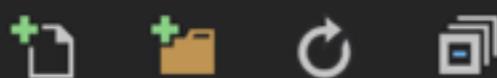
НЕ ВСЕ ЖЕ ТАК
ПРОСТО?

ЗА КАЖДЫМ ПРАВИЛОМ
ДОЛЖНЫ БЫТЬ
ЖЕЛЕЗНЫЕ АРГУМЕНТЫ

ШЕСТЬ РАЗНЫХ CSS МЕТОДОЛОГИЙ

3 ТИПА CSS МЕТОДОЛОГИИ

EXPLORER



index.js

view.css

X

bundle.css
bundle.js
index.html

▲ src

 ▲ app

 ▲ helpers

 fetch.js

 jsonview.js
 noopview.js
 observer.js
 simplepromise.js

 ▲ main

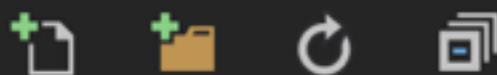
 controller.js
 index.js
 store.js

 view.css

 view-d3.js
 view-json.js

```
1 .item {  
2   padding: 20px;  
3   margin: 10px;  
4   background: #skyblue;  
5 }  
6  
7 .item__selected {  
8   background: #red;  
9 }  
10
```

EXPLORER



index.js

view.css

X

bundle.css

bundle.js

index.html

▲ src

 ▲ app

 ▲ helpers

 fetch.js

 jsonview.js

 noopview.js

 observer.js

```
1 .item {  
2   padding: 20px;  
3   margin: 10px;  
4   background: #skyblue;  
5 }  
6  
7 .item__selected {  
8   background: #red;  
9 }  
10
```

#1 - CEJIEKTOPOB

store.js

view.css

view-d3.js

view-json.js

EXPLORER



index.js

view.css

x

bundle.css

bundle.js

index.html

▲ src

▲ app

▲ helpers

fetch.js

jsonview.js

noopview.js

observer.js

simplepromise.js

▲ main

controller.js

index.js

store.js

view.css

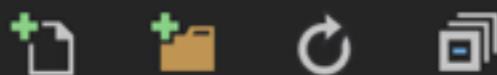
view-d3.js

view-json.js

```
1 .item {  
2     padding: 20px;  
3     margin: 10px;  
4     background: #skyblue;  
5 }  
6  
7 .item__selected {  
8     background: #red;  
9 }  
10
```

#2 - ПАПОК и ФАЙЛОВ

EXPLORER



index.js

view.css

x

bundle.css

bundle.js

index.html

▲ src

 ▲ app

 ▲ helpers

 fetch.js

 jsonview.js

 noopview.js

 observer.js

 simplepromise.js

 ▲ main

 controller.js

 index.js

 store.js

 view.css

 view-d3.js

 view-json.js

```
1 .item {  
2   padding: 20px;  
3   margin: 10px;  
4   background: #skyblue;  
5 }  
6  
7 .item__selected {  
8   background: #red;  
9 }  
10
```

#3 - ПОЛНАЯ

обычный
подход

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

```
<link rel="stylesheet" href="css/normalize.css">
<link rel="stylesheet" href="css/index.css">
```

```
<!-- first page -->




Lorem ipsum dolor sit amet, consectetur adipisci  

        Accusamus minus rerum ullam fugit commodi ea o  

        Expedita nostrum illum nobis labore in totam e


```

```
.media {  
    display: flex;  
    align-items: flex-start;  
    width: 400px;  
    background: skyblue;  
}  
  
.media .figure {  
    margin: 1em;  
}  
  
.media .body {  
    flex: 1;  
}
```

```
<!-- next page -->
```

```
<div class="next-page">
```

```
  <div class="media">
```

```
    
```

```
      Lorem ipsum dolor sit amet, consectetur adip  
      Accusamus minus rerum ullam fugit commodi e  
      Expedita nostrum illum nobis labore in tota
```

```
    </p>
```

```
  </div>
```

```
</div>
```

```
.media {  
    display: flex;  
    align-items: flex-start;  
    width: 400px;  
    background: skyblue;  
}
```

```
.media .figure {  
    margin: 1em;  
}
```

```
.media .body {  
    flex: 1;  
}
```

```
.next-page .media {  
    background: red;  
}
```



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.

```
.media .figure {  
  margin: 1em;  
}
```

```
.media .body {  
  flex: 1;  
}
```

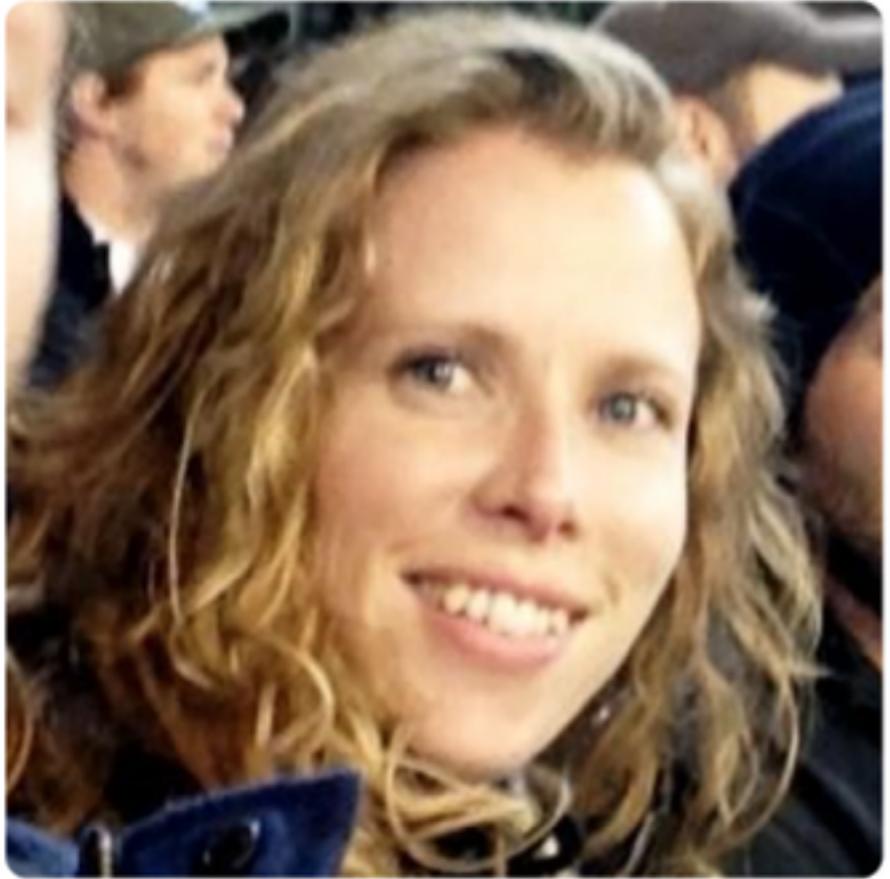
```
.next-page .media {  
  background: red;  
}
```

```
.next-page .media .media {  
  background: skyblue;  
}
```

#1 - СЕЛЕКТОРОВ

00CSS

ФУНКЦИОНАЛЬНАЯ ИДЕОЛОГИЯ



Nicole Sullivan

stubbornella

Follow

Block or report user

 Stubbornella

 San Francisco

 <http://stubbornella.org/content/>

 Joined on Dec 9, 2008

ФЕВРАЛЬ 2009

[http://www.slideshare.net/
stubbornella/object-oriented-css](http://www.slideshare.net/stubbornella/object-oriented-css)

ПРАВИЛА

- Никаких родительских селекторов
- Разделение структуры от представления

```
<link rel="stylesheet" href="css/normalize.css">
<link rel="stylesheet" href="css/index.css">
```

```
/* structure */
.media {
  display: flex;
  align-items: flex-start;
}

.media-figure {
  margin: 1em;
}

.media-body {
  flex: 1;
}

/* visual */
.media-default {
  background: skyblue;
  width: 400px;
}
```

```
<!-- first page -->




Lorem ipsum dolor sit amet, consectetur adipisci  

        Accusamus minus rerum ullam fugit commodi ea co  

        Expedita nostrum illum nobis labore in totam e


```

```
/* structure */
.media {
  display: flex;
  align-items: flex-start;
}

.media-figure {
  margin: 1em;
}

.media-body {
  flex: 1;
}

/* visual */
.media-default {
  background: skyblue;
  width: 400px;
}

.media-special-offer {
  background: red;
  width: 400px;
}
```

```
<div class="media media-special-offer">
  
    Lorem ipsum dolor sit amet, consectetur adipis
    Accusamus minus rerum ullam fugit commodi ea o
    Expedita nostrum illum nobis labore in totam e
  </p>
</div>
```



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.

#2 - ФАЙЛЫ и ПАПКИ

SMACSS

ФУНКЦИОНАЛЬНАЯ ИДЕОЛОГИЯ



Jonathan Snook

snookca

Follow

Block or report user

📍 Ottawa, Canada

✉️ jonathan@snook.ca

🔗 <http://snook.ca/>

🕒 Joined on Jun 7, 2008

ОКТЯБРЬ 2011

<https://smacss.com>

[http://www.webconfs.com/
domain-age.php](http://www.webconfs.com/domain-age.php)

ПРАВИЛА

- Base
- Layout
- Module
- State
- Theme

```
<link rel="stylesheet" href="css/base/normalize.css">
<link rel="stylesheet" href="css/layout/page.css">
<link rel="stylesheet" href="css/module/media.css">
<link rel="stylesheet" href="css/state/media.css">
<link rel="stylesheet" href="css/theme/default.css">
```

```
<link rel="stylesheet" href="css/base/normalize.css">
<link rel="stylesheet" href="css/layout/page.css">
<link rel="stylesheet" href="css/module/media.css">
<link rel="stylesheet" href="css/state/media.css">
<link rel="stylesheet" href="css/theme/default.css">
```

```
<link rel="stylesheet" href="css/base/normalize.css">
<link rel="stylesheet" href="css/layout/page.css">
<link rel="stylesheet" href="css/module/media.css">
<link rel="stylesheet" href="css/state/media.css">
<link rel="stylesheet" href="css/theme/default.css">
```

```
<link rel="stylesheet" href="css/base/normalize.css">
<link rel="stylesheet" href="css/layout/page.css">
<link rel="stylesheet" href="css/module/media.css">
<link rel="stylesheet" href="css/state/media.css">
<link rel="stylesheet" href="css/theme/default.css">
```

```
.media {  
  display: flex;  
  align-items: flex-start;  
}  
  
.media-figure {  
  margin: 1em;  
}  
  
.media-body {  
  flex: 1;  
}
```

```
<link rel="stylesheet" href="css/base/normalize.css">
<link rel="stylesheet" href="css/layout/page.css">
<link rel="stylesheet" href="css/module/media.css">
<link rel="stylesheet" href="css/state/media.css">
<link rel="stylesheet" href="css/theme/default.css">
```

```
.media-disabled {  
    opacity: 0.5;  
}
```

```
<link rel="stylesheet" href="css/base/normalize.css">
<link rel="stylesheet" href="css/layout/page.css">
<link rel="stylesheet" href="css/module/media.css">
<link rel="stylesheet" href="css/state/media.css">
<link rel="stylesheet" href="css/theme/default.css">
```

```
.media-default {  
    background: skyblue;  
    width: 400px;  
}
```

```
.media-special-offer {  
    background: red;  
    width: 400px;  
}
```



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.

#1 - СЕЛЕКТОРОВ

BEM

СЕМАНТИЧЕСКАЯ ИДЕОЛОГИЯ



Vitaly Harisov

vithar

Follow

Block or report user

 Yandex

 Simferopol, Ukraine

 vitaly@harisov.name

 <http://vitaly.harisov.name>

 Joined on Dec 31, 2009

АВГУСТ 2007

<http://vitaly.harisov.name/article/independent-blocks.html>

МАРТ 2009

Установилась

ФЕВРАЛЬ 2010

Публичный доступ

<https://github.com/bem/bem-tools>

ПРАВИЛА

- Базовые примитивы: блок, элемент, модификатор
- Независимость блоков
- Вложенность элементов блока < 1
- На ДОМ элементе может быть > 1 блока
- «Слойоная» архитектура (layers)

.MEDIA

.MEDIA__FIGURE

.MEDIA_SPECIAL-OFFER

```
href="css/layer-common/i-html/i-html.css">
href="css/layer-common/media/media.css">
href="css/layer-common/media/_body/media_body.css">
href="css/layer-common/media/_figure/media_figure.css"
href="css/layer-common/media/_special-offer/media_specialoffer.css">
```

```
href="css/layer-common/i-html/i-html.css">
href="css/layer-common/media/media.css">
href="css/layer-common/media/_body/media_body.css">
href="css/layer-common/media/_figure/media_figure.css"
href="css/layer-common/media/_special-offer/media_specialoffer.css">

href="css/layer-theme/media/media.css">
```

```
href="css/layer-common/i-html/i-html.css">
href="css/layer-common/media/media.css">
href="css/layer-common/media/_body/media_body.css">
href="css/layer-common/media/_figure/media_figure.css"
href="css/layer-common/media/_special-offer/media_specialoffer.css">
```

```
.media {  
  display: flex;  
  align-items: flex-start;  
  width: 400px;  
}
```

```
.media {  
    display: flex;  
    align-items: flex-start;  
    width: 400px;  
}
```

```
href="css/layer-common/i-html/i-html.css">
href="css/layer-common/media/media.css">
href="css/layer-common/media/_body/media_body.css">
href="css/layer-common/media/_figure/media_figure.css"
href="css/layer-common/media/_special-offer/media_specialoffer.css">
```

```
.media__body {  
  flex: 1;  
}
```

```
.media__figure {  
  margin: 1em;  
}
```

```
href="css/layer-common/i-html/i-html.css">
href="css/layer-common/media/media.css">
href="css/layer-common/media/_body/media_body.css">
href="css/layer-common/media/_figure/media_figure.css"
href="css/layer-common/media/_special-offer/media_specialoffer.css">
```

```
er-common/i-html/i-html.css">
er-common/media/media.css">
er-common/media/_body/media_body.css">
er-common/media/_figure/media_figure.css">
er-common/media/_special-offer/media_special-offer.css">
```

```
.media_special-offer {  
    background: red;  
}
```

```
<!-- first page -->




Lorem ipsum dolor sit amet, consectetur adipisic  

        Accusamus minus rerum ullam fugit commodi ea  

        Expedita nostrum illum nobis labore in totam e


```

```
<!-- next page -->




Lorem ipsum dolor sit amet, consectetur adipisic  

        Accusamus minus rerum ullam fugit commodi ea  

        Expedita nostrum illum nobis labore in totam e


```



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.

#2 - ФАЙЛЫ и ПАПКИ

АТОМІС DESIGN

ФУНКЦИОНАЛЬНАЯ ИДЕОЛОГІЯ



Brad Frost

bradfrost

Follow

[Block or report user](#)

 Brad Frost Web

 Pittsburgh, PA

 brad@bradfrost.com

 <http://bradfrost.com>

 Joined on Sep 1, 2010

МАЙ 2013

[http://www.slideshare.net/
bradfrostweb/atomic-design/14-
Tiny_Bootstraps_for_every_clientDave](http://www.slideshare.net/bradfrostweb/atomic-design/14-Tiny_Bootstraps_for_every_clientDave)

ПРАВИЛА

- Atoms
- Molecules
- Organisms
- Templates
- Pages

```
el="stylesheet" href="css/atoms/normalize.css">
el="stylesheet" href="css/molecules/media-body.css">
el="stylesheet" href="css/molecules/media-figure.css">
el="stylesheet" href="css/organisms/media.css">
el="stylesheet" href="css/templates/template.css">
el="stylesheet" href="css/pages/page.css">
```

```
el="stylesheet" href="css/atoms/normalize.css">
el="stylesheet" href="css/molecules/media-body.css">
el="stylesheet" href="css/molecules/media-figure.css">
el="stylesheet" href="css/organisms/media.css">
el="stylesheet" href="css/templates/template.css">
el="stylesheet" href="css/pages/page.css">
```

```
.media-body {  
    flex: 1;  
}
```

```
.media-figure {  
    margin: 1em;  
}
```

```
el="stylesheet" href="css/atoms/normalize.css">
el="stylesheet" href="css/molecules/media-body.css">
el="stylesheet" href="css/molecules/media-figure.css">
el="stylesheet" href="css/organisms/media.css">
el="stylesheet" href="css/templates/template.css">
el="stylesheet" href="css/pages/page.css">
```

```
.media {  
    display: flex;  
    align-items: flex-start;  
    width: 400px;  
}  
  
.media-default {  
    background: skyblue;  
}  
  
.media-special-offer {  
    background: red;  
}
```

```
el="stylesheet" href="css/atoms/normalize.css">
el="stylesheet" href="css/molecules/media-body.css">
el="stylesheet" href="css/molecules/media-figure.css">
el="stylesheet" href="css/organisms/media.css">
el="stylesheet" href="css/templates/template.css">
el="stylesheet" href="css/pages/page.css">
```

```
el="stylesheet" href="css/atoms/normalize.css">
el="stylesheet" href="css/molecules/media-body.css">
el="stylesheet" href="css/molecules/media-figure.css">
el="stylesheet" href="css/organisms/media.css">
el="stylesheet" href="css/templates/template.css">
el="stylesheet" href="css/pages/page.css">
```

```
<!-- first page -->
<div class="media media-default">
  
  <p class="media-body">
    Lorem ipsum dolor sit amet, consectetur adipisci...
    Accusamus minus rerum ullam fugit commodi ea d...
    Expedita nostrum illum nobis labore in totam e...
  </p>
</div>
```

```
<div class="media media-special-offer">
  
  <p class="media-body">
    Lorem ipsum dolor sit amet, consectetur adipisci...
    Accusamus minus rerum ullam fugit commodi ea ...
    Expedita nostrum illum nobis labore in totam e...
  </p>
</div>
```



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.

#1 - СЕЛЕКТОРОВ

АТОМІС CSS

ФУНКЦИОНАЛЬНАЯ ИДЕОЛОГИЯ



Steve Carlson

src-code

Follow

Block or report user

 Yahoo!

 Sunnyvale, CA

 Joined on Mar 6, 2009

НОЯБРЬ 2014

<http://acss.io>

ПРАВИЛА

- 1 класс селектор на 1 CSS свойство
- Значение свойства внутри
названия класса
- Helpers (для типичных задач вроде
clearfix)

```
<link rel="stylesheet" href="css/normalize.css">
<link rel="stylesheet" href="css/index.css">
```

```
.D\f\ {  
  display: flex;  
}  
  
.AI\fs\ {  
  align-items: flex-start;  
}  
  
.M\default\ {  
  margin: 1em;  
}  
  
.F\1\ {  
  flex: 1;  
}  
  
W\400px\ )
```

```
.F\({1\}) {
  flex: 1;
}

.W\({400px\}) {
  width: 400px;
}

.Bg\({default\}) {
  background: skyblue;
}

.Bg\({special-offer\}) {
  background: red;
}
```

```
.F\(\1\) {
  flex: 1;
}

.W\(\400px\) {
  width: 400px;
}

.Bg\(\default\) {
  background: skyblue;
}

.Bg\(\special-offer\) {
  background: red;
}
```

```
.F\(\1\) {
  flex: 1;
}
```

```
.W\(\400px\) {
  width: 400px;
}
```

```
.Bg\(\default\) {
  background: skyblue;
}
```

```
.Bg\(\special-offer\) {
  background: red;
}
```

```
.F\(\1\) {
  flex: 1;
}

.W\(\400px\) {
  width: 400px;
}

.Bg\(\default\) {
  background: skyblue;
}

.Bg\(\special-offer\) {
  background: red;
}
```

```
.F\({1\}) {
  flex: 1;
}

.W\({400px\}) {
  width: 400px;
}

.Bg\({default\}) {
  background: skyblue;
}

.Bg\({special-offer\}) {
  background: red;
}
```

```
<!-- first page -->
<div class="D(f) AI(fs) W(400px) Bg(default)">
  
  <p class="F(1)">
    Lorem ipsum dolor sit amet, consectetur adipisci...
    Accusamus minus rerum ullam fugit commodi ea...
    Expedita nostrum illum nobis labore in totam...
  </p>
</div>
```

```
<!-- first page -->
<div class="D(f) AI(fs) W(400px) Bg(default)">
  
  <p class="F(1)">
    Lorem ipsum dolor sit amet, consectetur adipisci...
    Accusamus minus rerum ullam fugit commodi ea...
    Expedita nostrum illum nobis labore in totam...
  </p>
</div>
```



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.

<http://acss.io/guides/atomizer.html>

#1 - СЕЛЕКТОРОВ

АХИОМАТИЧ СС

СЕМАНТИЧЕСКАЯ ИДЕОЛОГИЯ



Heydon Pickering

Heydon

Follow

Block or report user

📍 Norwich, UK

✉️ heydon@heydonworks.com

🔗 <http://www.heydonworks.com>

🕒 Joined on Mar 22, 2011

ОКТЯБРЬ 2014

<https://vimeo.com/101718785>

<http://alistapart.com/article/axiomatic-css-and-lobotomized-owls>

ПРАВИЛА

- Без Class селекторов
- Максимально используем HTML5 семантику
- H1, H2 ... nav, article...

```
<link rel="stylesheet" href="css/normalize.css">
<link rel="stylesheet" href="css/index.css">
```

```
<!-- first page -->
<article>
  
  <p>
    Lorem ipsum dolor sit amet, consectetur adipi
    Accusamus minus rerum ullam fugit commodi ea
    Expedita nostrum illum nobis labore in totam
  </p>
</article>
```

```
article {
    display: flex;
    align-items: flex-start;
    width: 400px;
    background: skyblue;
}

article > img {
    margin: 1em;
}

article > p {
    flex: 1;
}
```



Consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.

```
<!-- first page -->
<article>
  
  <p>
    Lorem ipsum dolor sit amet, consectetur adipisicing elit.
    Accusamus minus rerum ullam fugit commodi ea officiis!
    Expedita nostrum illum nobis labore in totam excepturi.
  </p>
</article>

<article>
  
  <p>
    Lorem ipsum dolor sit amet, consectetur adipisicing elit.
    Accusamus minus rerum ullam fugit commodi ea officiis!
    Expedita nostrum illum nobis labore in totam excepturi.
  </p>
</article>
```

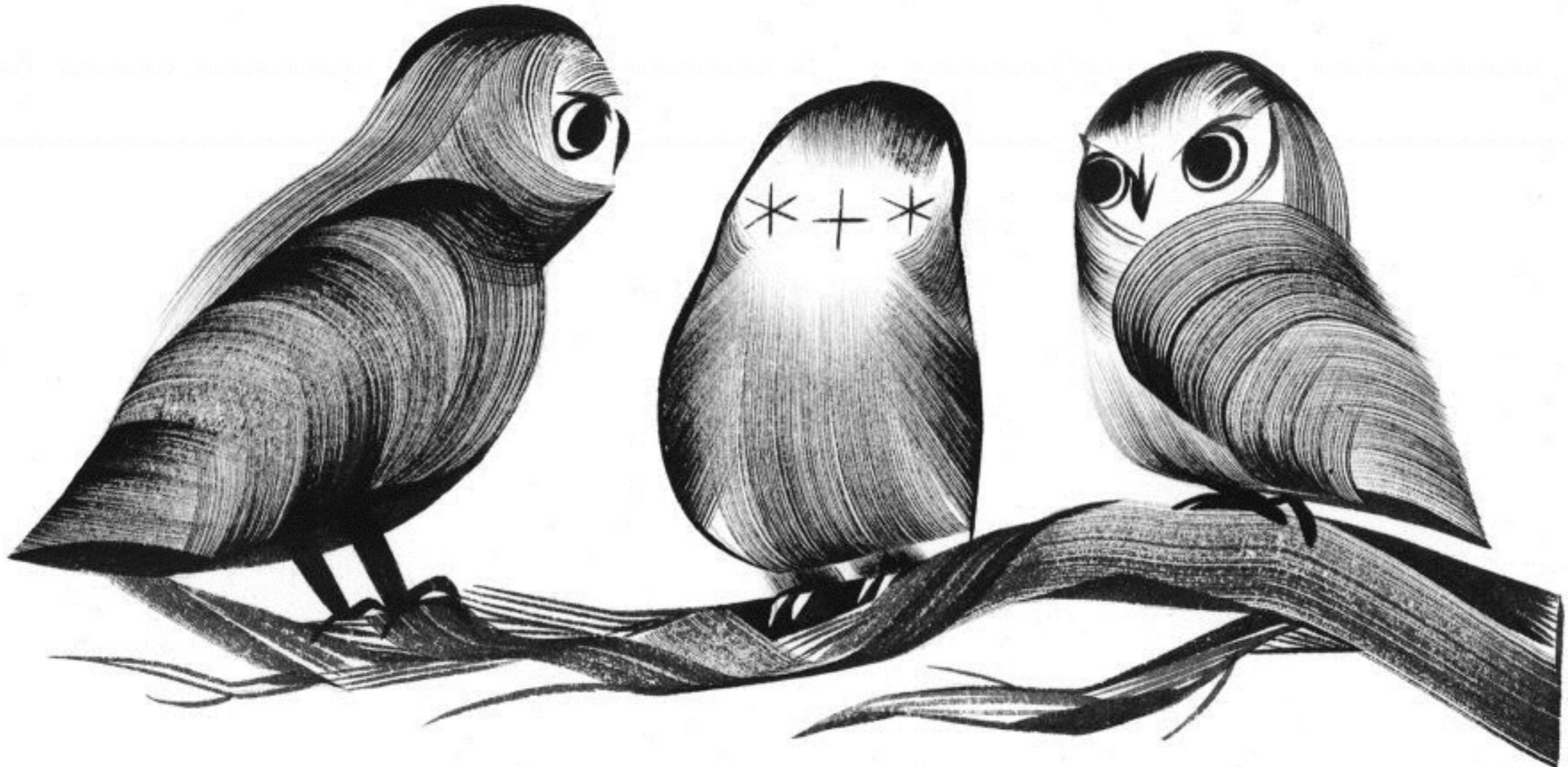


Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.

<http://alistapart.com/article/axiomatic-css-and-lobotomized-owls>



```
article {
    display: flex;
    align-items: flex-start;
    width: 400px;
    background: skyblue;
}

article > img {
    margin: 1em;
}

article > p {
    flex: 1;
}

article + article {
    margin-top: 20px;
}
```



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.



Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Accusamus minus rerum ullam fugit
commodi ea officiis! Expedita
nostrum illum nobis labore in totam
excepturi.



**CSS
МЕТОДОЛОГИИ
НУЖНЫ**

ВЕМ ХОРОШ -
НО НЕ ПОБЕДИЛ

- 1) *Google* - не используют БЭМ (на главной странице)
 - 2) *Youtube* - используют OOCSS
 - 3) *Facebook* - что-то свое из семейства *Functional*
 - 4) *Baidu.com* - используют ID и Tag селекторы :)
 - 5) *Yahoo* - *Atomic CSS* (не путать с *Atomic Design!*)
 - 6) *Amazon* - свой аналог *Atomic CSS*
 - 7) *Wikipedia* - смесь *Utility classes* и *Axiomatic CSS*
- + Все сайты на *Bootstrap*

**CSS-модули
победили**

<https://github.com/cssinjs/jss-compose>

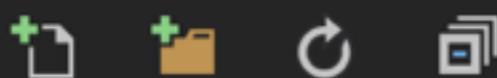
```
1 const {classes} = jss.createStyleSheet({
2   button: {
3     composes: ['btn', 'btn-primary'],
4     color: 'blue'
5   }
6 }).attach()
7
8 <button className={classes.button}>
9   Button
10 </button>
11
12 <button class="button-123456 btn btn-primary">
13   Button
14 </button>
```

<https://github.com/cssinjs/jss-compose>

```
1 const {classes} = jss.createStyleSheet({
2   button: {
3     composes: ['btn', 'btn-primary'],
4     color: 'blue'
5   }
6 }).attach()
7
8 <button className={classes.button}>
9   Button
10 </button>
11
12 <button class="button-123456 btn btn-primary">
13   Button
14 </button>
```

**CSS
ПРЕПРОЦЕССОРОВ
достаточно**

EXPLORER



index.js

view.css

X

bundle.css

bundle.js

index.html

src

app

helpers

fetch.js

jsonview.js

noopview.js

observer.js

simplepromise.js

main

controller.js

index.js

store.js

view.css

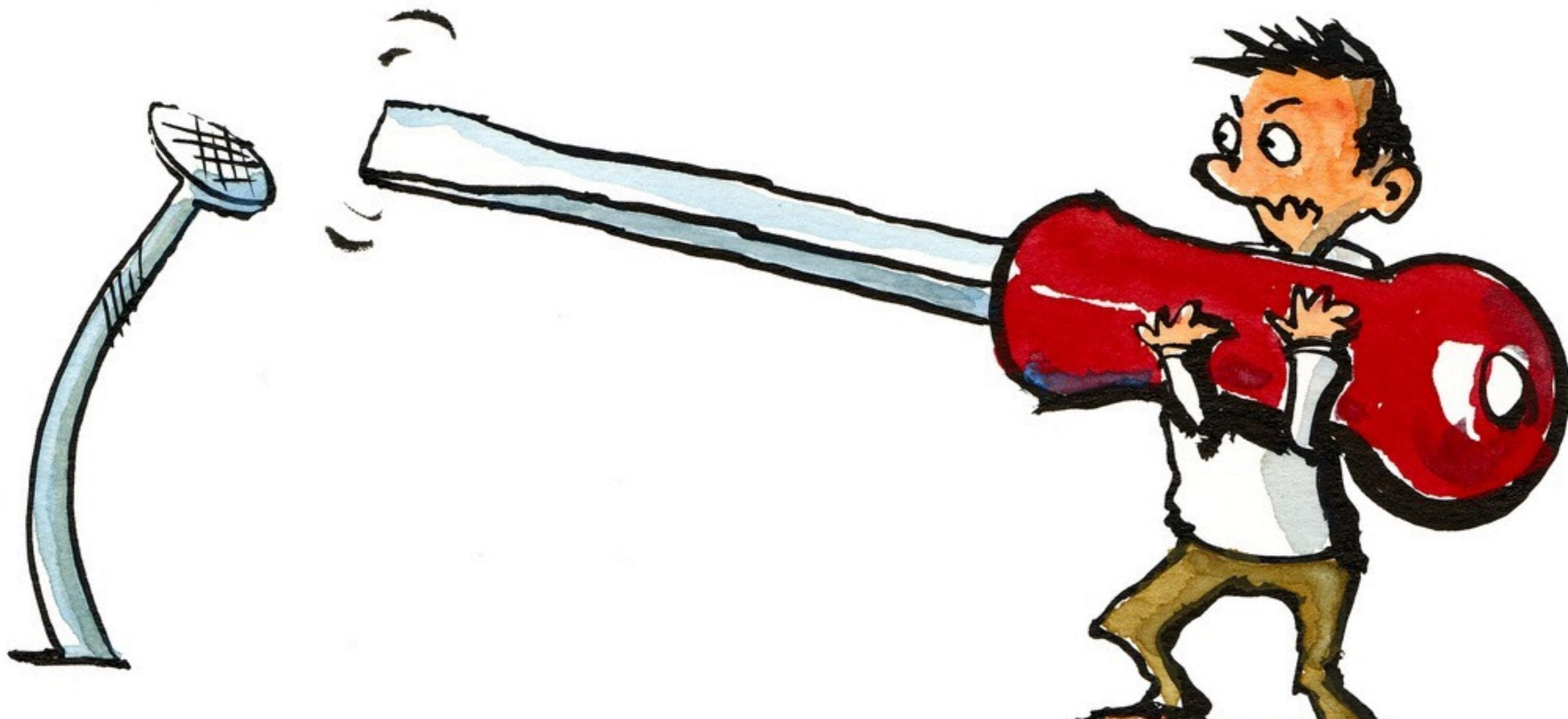
view-d3.js

view-json.js

```
1 .item {  
2     padding: 20px;  
3     margin: 10px;  
4     background: #skyblue;  
5 }  
6  
7 .item__selected {  
8     background: #red;  
9 }  
10
```

**CSS-МЕТОДОЛОГИИ -
ЭТО ВАЖНЫЙ, НО
ВСЕГО ЛИШЬ
ИНСТРУМЕНТ**

ВЫБИРАЙТЕ ПРАВИЛЬНЫЙ
ИНСТРУМЕНТ ДЛЯ
ТЕКУЩЕЙ РАБОТЫ



THE END

АЛЕКСЕЙ ОХРИМЕНКО

TWITTER:
AI_BOY

setInterval(moveIt)

<http://bit.ly/2amSM76>

