

# CoffeeScript & SCSS

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Ruby on Rails 3.1

# CoffeeScript

JavaScript x Ruby x Python

# Sintaksė

- Nereikia kabliataškių
- Nebūtini skliaustai
- Significant whitespace!
- is -> ==, isnt -> !=
- not -> !, and -> &&, or -> ||
- on, yes; off, no

# Sintaksè

- @ -> this
- then, unless
- in, of
- heredoc, block comments

# Sintaksè

```
launch() if ignition is on
```

```
volume = 10 if band isnt SpinalTap
```

```
letTheWildRumpusBegin() unless answer is no
```

```
if car.speed < limit then accelerate()
```

```
winner = yes if pick in [47, 92, 13]
```

```
feeling_ok = 36.4 < temperature < 37
```

# Sintaksè

```
[var1, var2] = [var2, var1]
```

```
[first, rest...] = [1, 2, 3, 4]  
#-> first = 1, rest = [ 2, 3, 4 ]
```

```
[first, middle..., last] = [1, 2, 3, 4]  
#-> first = 1, middle = [2, 3], last = 4
```

# Funkcijos

```
say_hello = (name, msg = "Hello") ->  
    msg + ' ' + name
```

```
say_hello 'Rimantas'  
#-> Hello Rimantas
```

```
say_hello 'Rimantas', 'Good morning'  
#-> Good morning Rimantas
```

# Funkcijos

```
Account = (customer, cart) ->  
  @customer = customer  
  @cart = cart
```

```
$( '.shopping_cart' ).bind 'click', (event) =>  
  @customer.purchase @cart
```

# Masyvai ir objektai

```
speakers = [  
    'Saulius'  
    'Andrius'  
    'Artūras'  
    'Julius'  
    'Pranas'  
    'Justas'  
    'Rimantas'  
]
```

# Masyvai ir objektai

```
numbers = [1..10] #=> [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

```
some_numbers = numbers[2..6] #=> [ 3, 4, 5, 6, 7 ]
```

```
squares = (num * num for num in [8..4])  
#=> [ 64, 49, 36, 25 ]
```

# Masyvai ir objektai

```
#objektus galima kurti ir taip.
```

```
my_talk =  
  talk:  
    time : '15:30', title : "CoffeeScript ir SCSS"  
  speaker:  
    first_name: 'Rimantas'  
    last_name: 'Liubertas'
```

```
#kam tie skliaustai..
```

```
talks.push my_talk
```

# Masyvai ir objektai

```
for t in talks
  console.log `${t.speaker.first_name} presents '#
  {t.talk.title}' at ${t.talk.time}"

{talk} = my_talk # var talk = my_talk.talk
console.log "My talk is at ${talk.time}"
#-> My talk is at 15:30
```

# Masyvai ir objektai

```
for {speaker, talk} in talks
  console.log "#{speaker.first_name} presents '#{talk.title}' at #{talk.time}"
```

*# objektai*

```
for key, val of something
  console.log "#{key} is #{val}"
```

# Masyvai ir objektai

```
rubyists = (speaker.first_name for {speaker, talk} in  
talks when /Ruby/.test talk.title)
```

```
#=> [ 'Saulius', 'Artūras', 'Julius', 'Pranas',  
      'Justas' ]
```

# Klasės

```
class Person  
  constructor: (@name) -> # this.name = name  
  introduce: -> "I am #{@name}"
```

```
class Programmer extends Person  
  constructor: (@name, @language = 'Ruby') ->  
  introduce: ->  
    super + " and I am using #{@language}"
```

```
prog1 = new Programmer 'Saulius'  
prog2 = new Programmer 'Artūras', 'Scala'
```

```
console.log prog1.introduce()  
#=> I am Saulius and I am using Ruby
```

```
console.log prog2.introduce()  
#=> I am Artūras and I am using Scala
```

# Klasės

```
Programmer::unmask = ({name}) -> console.log "#{name}  
loves PHP"
```

```
prog1.unmask prog2 #-> Artūras loves PHP
```

<http://jashkenas.github.com/coffee-script/>

SCSS

CSS+

# kintamieji

```
$color: #333;
```

```
$background-color: #aaa;
```

```
body {
```

```
  color: $color;
```

```
  background-color: $background-color;
```

```
}
```

# nesting

```
#sidebar {
  h3 {
    text: {
      align: right;
      transform: uppercase;
    };
  }

  a {
    &:link {color: $link;text-decoration:
none;};
    &:visited { color: $visited; }
    &:hover { text-decoration: underline; }
    &:active { color: $active; }
  }
}
```

# nesting

```
#sidebar h3 {
  text-align: right;
  text-transform: uppercase; }
#sidebar a:link {
  color: black;
  text-decoration: none; }
#sidebar a:visited {
  color: #eeeeee; }
#sidebar a:hover {
  text-decoration: underline; }
#sidebar a:active {
  color: #660000; }
```

# mixins

```
// super mixin!
@mixin border-radius($radius) {
  -webkit-border-radius: $radius;
  -moz-border-radius: $radius;
  border-radius: $radius;
}

@mixin rounded_box($radius, $color, $width : 1px,
$style : solid) {
  border: $width $style $color;
  @include border-radius($radius);
}

#box {
  width: 200px;
  @include rounded_box(6px);
}
```

# @extend

```
.note {  
  padding: 1em;  
  font-size: 12px;  
  background-color: #ffc;  
  border: 3px solid #aa0;  
}
```

```
.error {  
  @extend .note;  
  color: #fff;  
  background-color: #900;  
}
```

# @extend

```
.note, .error {  
  padding: 1em;  
  font-size: 12px;  
  background-color: #ffc;  
  border: 3px solid #aa0; }
```

```
.error {  
  color: #fff;  
  background-color: #900; }
```

# ir daugiau:

- matematinės operacijos, funkcijos
- @function
- @import, partials
- sass --watch

<http://sass-lang.com/>

# Rails 3.1

- application.js, application.css
- Sprockets
- minimizuota, optimizuota

Viskas.