Ruby Monstas
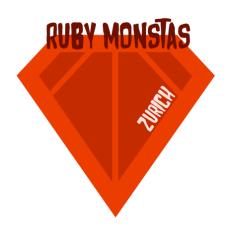
Session 13

Agenda

Recap
Class Methods & Class Variables
Time (Standard Library)
Exercises

Recap

Recap: Classes and Objects

```ruby
class Customer

  def initialize(id, name)
    @id = id
    @name = name
  end

  def id
    @id
  end

  def name
    @name
  end

end
```

```
irb> beat = Customer.new(1, "Beat")
=> #<Customer:0x007f8b8289a868>

irb> beat.id

=> 1
```

Recap: CSV

```
1;Peter;Parker;New York
2;Steven;Miller;New York
3;Milo;Jehle;Zurich
4;Daron;Treadaway;Zurich
5;Darrick;Flakes;Zurich
6;Susan;Mckenna;Zurich
7;Catarina;Keating;Zurich
8;Ira;Whitsett;Zurich
```

```ruby
CSV_DELIMITER = ";"

csv = File.read('customers.csv')

lines = csv.split("\n")

lines.each do |line|
    parts = line.split(CSV_DELIMITER)
    id = parts[0]
    first_name = parts[1]
    last_name = parts[2]
    location = parts[3]
end
```

Class Methods & Class Variables

Class Methods & Class Variables

```ruby
class Customer

  @@all = []

  def initialize(id, name)
    @id = id
    @name = name
    @@all.push(self)
  end

  def self.all
    @@all
  end
  …

end
```

```
irb> beat = Customer.new(1, "Beat")
=> #<Customer:0x007f8b8289a868>


irb> Customer.all.count
=> 1


irb> Customer.all.first.name
=> "Beat"
```

Time

Standard Library

Time

```
irb> time = Time.new
```
=> 2015-09-12 16:15:35 +0200


```
irb> time.year
```
=> 2015


```
irb> time.month
```
=> 09

Time

```
irb> time.day
=> 12

irb> time.wday
=> 6

irb> time.yday
=> 255
```

Time

```
irb> time.strftime("%d.%m.%Y %H:%M:%S")
=> "12.09.2015 16:15:35"


irb> time - 10
=> 2015-09-12 16:15:35 +0200


irb> time.utc
=> 2015-09-12 14:15:35 +0200 UTC
```

Resources

Ruby Classes

http://ruby-doc.org/core-2.2.0/Class.html

Time (Standard Library)

http://ruby-doc.org/stdlib-2.2.3/libdoc/date/rdoc/Time.html

Time to practice

TodoList Exercise: https://github.com/rubymonstas-zurich/todolist-exercise