progress engine

we will develop it

#tceh

2016

# Врубиться в Ruby

Лекция 8

# Лекция 8

- что такое Action View?
- erb, haml, slim
- templates, partials и layouts
- формы и simple_form gem

erb, haml, slim, builder

# erb

```
<body>
  <div id=“content”>
    <% if current_user %>
      current user is <%= current_user.email%>
    <% end %>
  </div>
</body>
```

## **haml** - http://haml.info

```
%body
  %div{:id => "content"}
    - if current_user
      current user is #{current_user.email}
```

## **slim** - http://slim-lang.com

```
body
  div id="content"
    - if current_user
      | current user is #{current_user.email}
```

утилиты для конвертации

http://htmltohaml.com

http://erb2slim.com

# **builder** - для xml, rss и аналогичных форматов

```
xml.rss("version" => "2.0", "xmlns:dc" => "http://purl.org/dc/elements/1.1/") do
  xml.channel do
    xml.title(@feed_title)
    xml.link(@url)
    xml.description "Basecamp: Recent items"
    xml.language "en-us"
    xml.ttl "40"

    for item in @recent_items
      xml.item do
        xml.title(item_title(item))
        xml.description(item_description(item)) if item_description(item)
        xml.pubDate(item_pubDate(item))
        xml.guid(@person.firm.account.url + @recent_items.url(item))
        xml.link(@person.firm.account.url + @recent_items.url(item))
        xml.tag!("dc:creator", item.author_name) if item_has_creator?(item)
      end
    end
  end
end
```

# partials

```
<%= render "shared/ad_banner" %>

<h1>Products</h1>

<p>Here are a few of our fine products:</p>
<% @products.each do |product| %>
  <%= render partial: "product", locals: {product: product} %>
<% end %>

<%= render "shared/footer" %>
```

# collections

```
<% @products.each do |product| %>
  <%= render partial: "product", locals: { product: product } %>
<% end %>
```

```
<%= render partial: "product", collection: @products %>
```

```
<%= render @products %>
```

# layouts

```
class ProductsController < ApplicationController
  layout :products_layout

  def show
    @product = Product.find(params[:id])
  end

  private
    def products_layout
      @current_user.special? ? "special" : "products"
    end

end
```

# helpers

# content_for

```
<html>
  <head>
    <title>Welcome!</title>
    <%= yield :special_script %>
  </head>
  <body>
    <p>Welcome! The date and time is <%= Time.now %></p>
  </body>
</html>
<p>This is a special page.</p>

<% content_for :special_script do %>
  <script>alert('Hello!')</script>
<% end %>
```

# image_tag

```
image_tag("icon.png")
```

```
<img src="/assets/icon.png" alt="Icon" />
```

# cache

```
<% cache do %>
  <%= render "shared/footer" %>
<% end %>
```

# cache

```
<% cache do %>
  <%= render "shared/footer" %>
<% end %>
```

# capture

```
<% @greeting = capture do %>
  <p>Welcome! The date and time is <%= Time.now %></p>
<% end %>
```

```
<html>
  <head>
    <title>Welcome!</title>
  </head>
  <body>
    <%= @greeting %>
  </body>
</html>
```

# form_for

```
<%= form_for @article do lfl %>
  <%= f.label :title, 'Title' %>:
  <%= f.text_field :title %><br>
  <%= f.label :body, 'Body' %>:
  <%= f.text_area :body %><br>
<% end %>
```

# sanitize

```
sanitize @article.body,
    tags: %w(table tr td), attributes: %w(id class style)
```

Давайте поищем еще helper-ы?

# simple_form

https://github.com/plataformatec/simple_form

## Gemfile

```
gem ‘simple_form’
```

# console

```
bundle install
```

# Примеры использования

```
<%= simple_form_for @user do |f| %>
  <%= f.input :username %>
  <%= f.input :password %>
  <%= f.button :submit %>
<% end %>
```

# Примеры использования

```
<%= simple_form_for @user do |f| %>
  <%= f.input :username, label_html: { class: 'my_class' } %>
  <%= f.input :password, hint: false, error_html: { id:
'password_error'} %>
  <%= f.input :password_confirmation, label: false %>
  <%= f.button :submit %>
<% end %>
```

# Примеры использования

```
<%= simple_form_for @user,
    defaults: { input_html: { class: 'default_class' } }
                              do |f| %>

  <%= f.input :username, input_html: { class: 'special' } %>
  <%= f.input :password, input_html: { maxlength: 20 } %>
  <%= f.input :remember_me, input_html: { value: '1' } %>
  <%= f.button :submit %>
<% end %>
```

# Примеры использования

```
<%= simple_form_for @user do |f| %>
  <%= f.input :user %>
  <%= f.input :age, collection: 18..60 %>
  <%= f.button :submit %>
<% end %>
```

# Ассоциации

```
class User < ActiveRecord::Base
  belongs_to :company
  has_and_belongs_to_many :roles
end

class Company < ActiveRecord::Base
  has_many :users
end

class Role < ActiveRecord::Base
  has_and_belongs_to_many :users
end
```

# Ассоциации

```
<%= simple_form_for @user do |f| %>
  <%= f.input :name %>
  <%= f.association :company %>
  <%= f.association :roles %>
  <%= f.button :submit %>
<% end %>
```

# Домашнее задание

1 - Создать сложный scaffold и перевести его на simple_form

2 - Поэкспериментировать с https://github.com/rwz/nestive

# Вопросы?

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