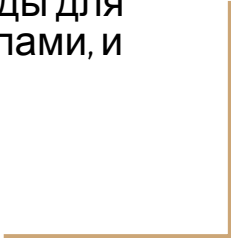




# ActionView Helpers

Вспомогательные методы для  
работы с числами, файлами, и  
формами



# Хелперы ActionView

Helpers – модули, предоставляемые ActionView для упрощения работы с представлениями.

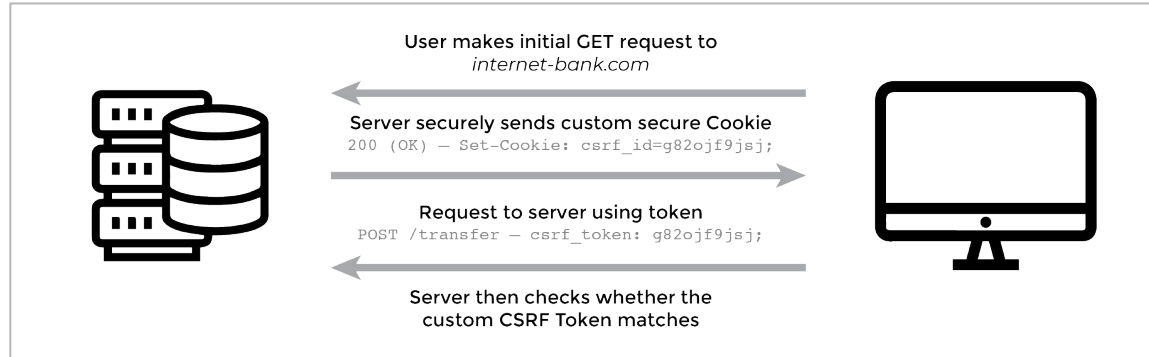
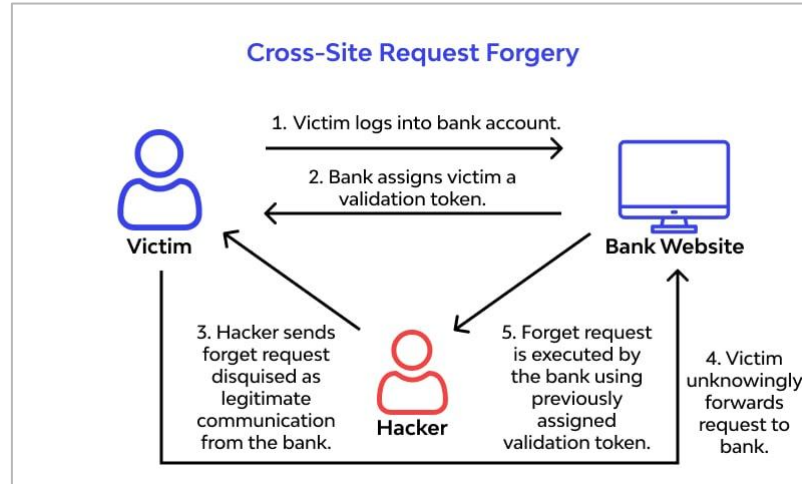
```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>RailsCourse</title>
5     <meta name="viewport" content="width=device-width,initial-scale=1">
6     <%= csrf_meta_tags %>
7     <%= csp_meta_tag %>
8
9     <%= stylesheet_link_tag "application", "data-turbo-track": "reload" %>
10  </head>
11
12  <body>
13    <%= yield %>
14  </body>
15 </html>
```

```
▼ <html> = $0
  ▼ <head>
    <title>RailsCourse</title>
    <meta name="viewport" content="width=device-width,initial-scale=1">
    <meta name="csrf-param" content="authenticity_token">
    <meta name="csrf-token" content="ANjXko16vIqFAEdltrysdiH3ytGcQlpSnD-eNGn8HVTqQLY_0z2LJ1v-vd-4DAv1Vze_0vg6PuyiE3QW6cQpSw">
    <link rel="stylesheet" href="/assets/application-e0cf9d8fcb18bf7f909d8d91a5e78499f82ac29523d475bf3a9ab265d5e2b451.css" data-turbo-track="reload">
  </head>
  ► <body>...</body>
</html>
```

CSRF – cross-site request forgery

CSP – content security policy

# Cross-Site Request Forgery ataka



# Хелпер для изображений

```
1 <p style="color: green"><%= notice %></p>
2
3 <p><%= image_path('posts.jpeg') %></p>
4 <p><%= image_url('posts.jpeg') %></p>
5
6 <p><%= image_tag('posts.jpeg') %></p>
7
8 <h1>Posts</h1>
```

## Sprockets::Rails::Helper::AssetNotFound in Posts#index

Showing /Users/alex/study/rails\_course/app/views/posts/index.html.erb where line #3 raised:

The asset "posts.png" is not present in the asset pipeline.

Extracted source (around line #3):

```
1 <p style="color: green"><%= notice %></p>
2
3 <%= image_path('posts.png') %>
4
```

```
▼ <body> = $0
  <p style="color: green"></p>
  ▼ <p>
    "/assets/posts-ab95f207ff5492e0e65e5a1b28437b63d29d43879ef8a391da8f703996304b1a.jpg"
  </p>
  ▼ <p>
    "http://localhost:3000/assets/posts-ab95f207ff5492e0e65e5a1b28437b63d29d43879ef8a391da8f703996304b1a.jpg"
  </p>
  ▼ <p>
    
  </p>
  <h1>Posts</h1>
```

```
1 <p style="color: green"><%= notice %></p>
2
3 <p><%= stylesheet_path('application') %></p>
4 <p><%= stylesheet_url('application') %></p>
```

/assets/application-e0cf9d8fcb18bf7f909d8d91a5e78499f82ac29523d475bf3a9ab265d5e2b451.css

http://localhost:3000/assets/application-e0cf9d8fcb18bf7f909d8d91a5e78499f82ac29523d475bf3a9ab265d5e2b451.css

# Хелпер для работы с датой

```
1 <p style="color: green"><%= notice %></p>
2
3 <%= javascript_tag("alert('JS alert')") %>
4
5 <p><%= distance_of_time_in_words(Time.now, Time.now + 15.seconds) %></p>
6 <p><%= distance_of_time_in_words(Time.now, Time.now + 15.seconds, include_seconds: true) %></p>
7
8 <p><%= distance_of_time_in_words(Time.now, Time.now + 1.day) %></p>
9
10 <p><%= time_ago_in_words(10.minutes.from_now) %></p>
11 <p><%= time_ago_in_words(Time.now + 15.minutes) %></p>
```

```
▼ <body> = $0
  <p style="color: green"></p>
  <script>// alert('JS alert') //]]&gt;&lt;/script&gt;
  &lt;p&gt;less than a minute&lt;/p&gt;
  &lt;p&gt;less than 20 seconds&lt;/p&gt;
  &lt;p&gt;1 day&lt;/p&gt;
  &lt;p&gt;10 minutes&lt;/p&gt;
  &lt;p&gt;15 minutes&lt;/p&gt;
  &lt;h1&gt;Posts&lt;/h1&gt;</pre></div>
```

# Хелпер для работы с числами

```
1 <p style="color: green"><%= notice %></p>
2
3 <p><%= number_to_currency(10000.50) %></p>
4 <p><%= number_to_currency(10230, precision: 3, unit: 'RUB') %></p>
5
6 <p><%= number_to_human(1200) %></p>
7 <p><%= number_to_human(12200001) %></p>
8
9 <p><%= number_to_human_size(1234) %></p>
10 <p><%= number_to_human_size(123456) %></p>
11 <p><%= number_to_human_size(123456789) %></p>
12
13 <p><%= number_to_percentage(100) %></p>
14 <p><%= number_to_percentage("98") %></p>
15 <p><%= number_to_percentage(100, precision: 0) %></p>
```

```
▼ <body> = $0
  <p style="color: green"></p>
  <p>$10,000.50</p>
  <p>RUB10,230.000</p>
  <p>1.2 Thousand</p>
  <p>12.2 Million</p>
  <p>1.21 KB</p>
  <p>121 KB</p>
  <p>118 MB</p>
  <p>100.000%</p>
  <p>98.000%</p>
  <p>100%</p>
  <h1>Posts</h1>
```

# Хелпер для создания ссылок

```
1 <p style="color: green"><%= notice %></p>
2
3 <%= url_for(@posts.first) %>
4 <%= url_for([@posts.first, page: 2, param: 'test']) %>
5
6 <%= link_to('First Post', @posts.first) %>
7
8 <%= link_to @posts.first do %>
9 | <h1><%= @posts.first.title %></h1>
10 <% end %>
11
12 <%= button_to('Create post', new_post_path) %>
13 <%= button_to('Posts', posts_path, method: :get) %>
14
15 <%= button_to('Delete Post', post_path(@posts.last), method: :delete) %>
```

```
<body> = $0
<p style="color: green"></p>
"/posts/2 /posts/2?page=2&param=test "
<a href="/posts/2">First Post</a>
<a href="/posts/2">
<h1>test post 2</h1>
</a>
<form class="button_to" method="post" action="/posts/new">
  <button type="submit">Create post</button>
  <input type="hidden" name="authenticity_token" value="uAiKSJ-MYtZzZF0BKSrCmUunei-ujv-gCuasxYQGgJVZm_6PdpTPrs17S2-JrIwinW0oHqVwCVs1hpRv72F5Jg" autocomplete="off">
</form>
<form class="button_to" method="get" action="/posts">
  <button type="submit">Posts</button>
</form>
<form class="button_to" method="post" action="/posts/2">
  <input type="hidden" name="_method" value="delete" autocomplete="off">
  <button type="submit">Delete Post</button>
  <input type="hidden" name="authenticity_token" value="bcH8f771vj02NuIhHyKdz0YfYOXz05Xn66Z15DEC3FBcoT32oNpqux6TzhPyu9N0UY8e0TG81WQoZA0j-S5dag" autocomplete="off">
</form>
```

# Хелпер для создания форм

```
1 <p style="color: green"><%= notice %></p>
2
3 <%= form_with url: "/search", method: :get do |form| %>
4   <%= form.label :query, "Search for:" %>
5   <%= form.text_field :query %>
6   <%= form.submit "Search" %>
7 <% end %>
```

```
1 <p style="color: green"><%= notice %></p>
2
3 <%= form_with url: '/posts', method: :post do |form| %>
4   <%= form.label :title, 'Title:' %>
5   <%= form.text_field :title %>
6   <%= form.label :body, 'Body:' %>
7   <%= form.text_field :body %>
8   <%= form.check_box :published %>
9   <%= form.label :published, 'Published?' %>
10  <%= form.submit 'Create' %>
11 <% end %>
```

```
▼ <form action="/search" accept-charset="UTF-8" method="get">
  <label for="query">Search for:</label>
  ▶ <input type="text" name="query" id="query">
  <input type="submit" name="commit" value="Search" data-disable-with="Search">
</form>
```

```
▼ <body>
  <p style="color: green"></p>
  ▼ <form action="/posts" accept-charset="UTF-8" method="post">
    <input type="hidden" name="authenticity_token" value="fzXWtsGZ0k9qsngH42t_oiv0">
    <label for="title">Title:</label>
    ▶ <input type="text" name="title" id="title">
    <label for="body">Body:</label>
    ▶ <input type="text" name="body" id="body">
    <input name="published" type="hidden" value="0" autocomplete="off">
    <input type="checkbox" value="1" name="published" id="published">
    <label for="published">Published?</label>
    <input type="submit" name="commit" value="Create" data-disable-with="Create">
  </form>
```



# Форма для моделей

```
3 <%= form_with model: Post.new do |form| %>
4   <%= form.label :title, 'Title:' %>
5   <%= form.text_field :title %>
6   <%= form.label :body, 'Body:' %>
7   <%= form.text_field :body %>
8   <%= form.check_box :published %>
9   <%= form.label :published, 'Published?' %>
10  <%= form.submit 'Create' %>
11 <% end %>
```

```
<form action="/posts" accept-charset="UTF-8" method="post">
  <input type="hidden" name="authenticity_token" value="gvfNbA21pyDrK1bSAkZ-VsX">
  <label for="post_title">Title:</label>
  <input type="text" name="post[title]" id="post_title">
  <label for="post_body">Body:</label>
  <input type="text" name="post[body]" id="post_body">
  <input name="post[published]" type="hidden" value="0" autocomplete="off">
  <input type="checkbox" value="1" name="post[published]" id="post_published">
  <label for="post_published">Published?</label>
  <input type="submit" name="commit" value="Create" data-disable-with="Create">
</form>
```

```
3 <%= form_with model: @posts.last do |form| %>
4   <%= form.label :title, 'Title:' %>
5   <%= form.text_field :title %>
6   <%= form.label :body, 'Body:' %>
7   <%= form.text_field :body %>
8   <%= form.check_box :published %>
9   <%= form.label :published, 'Published?' %>
10  <%= form.submit 'Create' %>
11 <% end %>
```

```
<form action="/posts/2" accept-charset="UTF-8" method="post">
  <input type="hidden" name="_method" value="patch" autocomplete="off">
  <input type="hidden" name="authenticity_token" value="dYcXGxuEMAWOYEcQAK17v_i2">
  <label for="post_title">Title:</label>
  <input type="text" value="test post 2" name="post[title]" id="post_title">
  <label for="post_body">Body:</label>
  <input type="text" value="test post 3" name="post[body]" id="post_body">
  <input name="post[published]" type="hidden" value="0" autocomplete="off">
  <input type="checkbox" value="1" name="post[published]" id="post_published">
  <label for="post_published">Published?</label>
  <input type="submit" name="commit" value="Create" data-disable-with="Create">
</form>
```

# Элементы формы для выбора

```
3 <%= form_with model: Post.new do |form| %>
4   <%= form.label :title, 'Title:' %>
5   <%= form.text_field :title %>
6   <%= form.label :type, 'Type:' %>
7   <%= form.select :type, ['News', 'Art', 'Politic'] %>
8   <%= form.label :city, 'City of post:' %>
9   <%= form.select(
10     :city,
11     { 'Europe' => [['Moscow', 'MOW'], ['Paris', 'PAR']], 'America' => [['New York', 'NYK']] },
12     selected: 'PAR'
13   ) %>
14   <%= form.text_field :body %>
15   <%= form.submit 'Create' %>
16 <% end %>
```

```
▼ <form action="/posts" accept-charset="UTF-8" method="post">
  <input type="hidden" name="authenticity_token" value="l1hh9...>
  <label for="post_title">Title:</label>
  ▶ <input type="text" name="post[title]" id="post_title">
  <label for="post_type">Type:</label>
  ▼ <select name="post[type]" id="post_type">
    <option value="News">News</option>
    <option value="Art">Art</option>
    <option value="Politic">Politic</option>
  </select>
  <label for="post_city">City of post:</label>
  ▼ <select name="post[city]" id="post_city">
    ▼ <optgroup label="Europe">
      <option value="MOW">Moscow</option>
      <option selected="selected" value="PAR">Paris</option>
    </optgroup>
    ▼ <optgroup label="America">
      <option value="NYK">New York</option>
    </optgroup>
  </select>
```

# Полезные ссылки

<http://rusrails.ru/action-view-helpers> – Обзор вспомогательных модулей для работы с представлениями;

<http://rusrails.ru/form-helpers> – Обзор возможностей создания форм.

Конец! Спасибо!