



RUBY ON RAILS BEGINNERS

5. REST i jego
zastosowanie

Praca domowa

Reprezentacja modelu

Kontroler

```
# app/controllers/rocks_controller.rb

class RocksController < ApplicationController

  def index
    @rocks = Rock.all
  end
end
```

Widok

```
<%# app/views/rocks/index.html.erb %>

<br/>
All the rocks:
<br/><br/>
<table>
  <thead>
    <td>Name</td>
    <td>Weight</td>
  </thead>
  <% @rocks.each do |rock| %>
    <tr>
      <td><%= rock.nickname.present? ? rock.nickname : "rock_#{rock.id}" %></td>
      <td><%= rock.weight %></td>
    </tr>
  <% end %>
</table>
```

Routing

```
# config/routes.rb
```

```
Rails.application.routes.draw do
```

```
  get '/', to: 'home#welcome', as: :root
```

```
  get '/who', to: 'home#who', as: :who
```

```
  get '/rocks', to: 'rocks#index', as: :rocks
```

```
end
```

Header

```
<%# app/views/layouts/_header.html.erb %>

<div>
  <%= link_to 'Home', root_path %>
  <%= link_to 'Who', who_path %>
  <%= link_to 'Rocks', rocks_path %>
</div>
```

REST

Akcje i metody

- GET - index/show - wybieranie
- POST - create - tworzenie
- PUT/PATCH - update - zmiana
- DELETE - destroy - usuwanie
- GET - new/edit - nowy i edycja*

Routing

```
# config/routes.rb
```

```
Rails.application.routes.draw do
```

```
  get '/', to: 'home#welcome', as: :root  
  get '/who', to: 'home#who', as: :who
```

```
  resources :rocks  
end
```

Routing

```
$ rake routes
```

Prefix	Verb	URI Pattern	Controller#Action
root	GET	/	home#welcome
who	GET	/who(.:format)	home#who
rocks	GET	/rocks	rocks#index
	POST	/rocks	rocks#create
rock	GET	/rocks/:id	rocks#show
	PATCH	/rocks/:id	rocks#update
	PUT	/rocks/:id	rocks#update
	DELETE	/rocks/:id	rocks#destroy
new_rock	GET	/rocks/new	rocks#new
edit_rock	GET	/rocks/:id/edit	rocks#edit

Routing

```
# config/routes.rb

Rails.application.routes.draw do

  root 'home#welcome'
  get '/who', to: 'home#who', as: :who

  resources :rocks, only: :index
end
```

Show

Kontroler

```
# app/controllers/rocks_controller.rb

class RocksController < ApplicationController
  # ...
  def show
    @rock = Rock.find(params[:id])
  end
end
```

Widok

```
<%# app/views/rocks/show.html.erb %>
```

```
<br/>
```

This one particular rock's attributes are:

```
<br/><br/>
```

```
<% @rock.attributes.each do |key, value| %>
```

```
  <%= key %>: <%= value %>
```

```
  <br/>
```

```
<% end %>
```

Link

```
<%# app/views/rocks/index.html.erb %>

<br/>
All the rocks:
<br/><br/>
<table>
  <thead>
    <td>Name</td>
    <td>Weight</td>
        <td>Actions</td>
  </thead>
  <% @rocks.each do |rock| %>
    <tr>
      <td><%= rock.nickname.present? ? rock.nickname : "rock_#{rock.id}" %></td>
      <td><%= rock.weight %></td>
          <td>
            <%= link_to 'Show', rock_path(rock) %>
      </td>
    </tr>
  <% end %>
</table>
```


New

Kontroler

```
# app/controllers/rocks_controller.rb

class RocksController < ApplicationController
  # ...
  def new
    @rock = Rock.new
  end
end
```

Widok

```
<%# app/views/rocks/new.html.erb %>

<br/>
Enter rock details:
<br/><br/>
<%= form_for @rock do |f| %>
  <%= f.label :nickname %>
  <%= f.text_field :nickname %>
  <%= f.label :weight %>
  <%= f.text_field :weight %>
  <%= f.submit %>
<% end %>
<br/>
<% @rock.errors.full_messages.each do |error| %>
  <%= error %><br/>
<% end %>
```

Link

```
<%# app/views/rocks/index.html.erb %>

<br/>
<%= link_to 'Add new rock', new_rock_path %>
<br/><br/>
All the rocks:
<%# ... %>
```

Create

Kontroler

```
# app/controllers/rocks_controller.rb

class RocksController < ApplicationController
  # ...
  def create
    @rock = Rock.create(rock_params)
    if @rock.persisted?
      redirect_to rocks_path
    else
      render :new
    end
  end

  private

  def rock_params
    params.require(:rock).permit(:nickname, :weight)
  end
end
```

Edit

Kontroler

```
# app/controllers/rocks_controller.rb

class RocksController < ApplicationController
  # ...
  def edit
    @rock = Rock.find(params[:id])
    render :new
  end
end
```


Widok

```
<%# app/views/rocks/new.html.erb %>

<br/>
Enter rock details:
<br/><br/>
<%= form_for @rock do |f| %>
  <%= f.label :nickname %>
  <%= f.text_field :nickname %>
  <%= f.label :weight %>
  <%= f.text_field :weight %>
  <%= f.submit %>
<% end %>
<br/>
<% @rock.errors.full_messages.each do |error| %>
  <%= error %><br/>
<% end %>
```

Link

```
<%# app/views/rocks/index.html.erb %>

<%# ... %>
  <td>
    <%= link_to 'Show', rock_path(rock) %>
    <%= link_to 'Edit', edit_rock_path(rock) %>
  </td>
<%# ... %>
```

Update

Kontroler

```
# app/controllers/rocks_controller.rb

class RocksController < ApplicationController
  # ...
  def update
    @rock = Rock.find(params[:id])
    if @rock.update(rock_params)
      redirect_to rocks_path
    else
      render :new
    end
  end

  private

  def rock_params
    params.require(:rock).permit(:nickname, :weight)
  end
end
```

Destroy

Kontroler

```
# app/controllers/rocks_controller.rb

class RocksController < ApplicationController
  # ...
  def destroy
    Rock.destroy(params[:id])
    redirect_to rocks_path
  end
end
```

Link

```
<%# app/views/rocks/index.html.erb %>

<%# ... %>
  <td>
    <%= link_to 'Show', rock_path(rock) %>
    <%= link_to 'Edit', edit_rock_path(rock) %>
    <%= link_to 'Destroy', rock_path(rock), method: :delete %>
  </td>
<%# ... %>
```



Thanks!