**ЛІСТИНГ КОДУ**

Клас ApplicationController:

class ApplicationController < ActionController::Base

helper\_method :current\_user, :logged\_in?

def current\_user

@current\_user ||= User.find(session[:user\_id]) if session[:user\_id]

end

def logged\_in?

!!current\_user

end

def require\_user

if !logged\_in?

flash[:danger] = "You must be logged in to perform that action"

redirect\_to root\_path

end

end

end

Клас PagesController:

class PagesController < ApplicationController

def index

@petitions=Petition.all

end

end

Клас PetitionsController:

class PetitionsController < ApplicationController

before\_action :set\_article, only: [:show, :destroy,:support,:unsupport]

def index

@petitions=Petition.all

@petitions = Petition.paginate(page: params[:page], per\_page: 5)

end

def new

@petition = Petition.new

end

def create

@petition = Petition.new(petition\_params)

if @petition.save

flash[:success] = "Petition was successfully created"

redirect\_to petition\_path(@petition)

else

render 'new'

end

end

def show

end

def destroy

@petition.destroy

flash[:warning] = "Petition was deleted"

redirect\_to petitions\_path

end

def support

@petition.upvote\_by current\_user

redirect\_to petition\_path

end

def unsupport

@petition.downvote\_by current\_user

redirect\_to petition\_path

end

private

def petition\_params

params.require(:petition).permit(:title, :description,:user\_id)

end

def set\_article

@petition = Petition.find(params[:id])

end

end

Клас SessionsController:

class SessionsController < ApplicationController

def new

end

def create

user = User.find\_by(email: params[:session][:email].downcase)

if user && user.authenticate(params[:session][:password])

session[:user\_id] = user.id

flash[:success] = "You have logged in"

redirect\_to petitions\_path

else

flash.now[:danger] = "There was something wrong with your login information"

render 'new'

end

end

def destroy

session[:user\_id] = nil

flash[:success] = "You have logged out"

redirect\_to root\_path

end

end

Клас UsersController:

class UsersController < ApplicationController

def new

@user = User.new

end

def create

@user = User.new(user\_params)

if @user.save

flash[:success] = "Welcome to the alpha servise #{@user.username}"

redirect\_to root\_path

else

render 'new'

end

end

def edit

@user = User.find(params[:id])

end

def show

end

private

def user\_params

params.require(:user).permit(:username, :email, :password,:first\_name,:second\_name,:city,:passport\_number,:phone\_number,:date\_of\_birth)

end

end

Клас Petition:

class Petition < ApplicationRecord

include AASM

VOUTE\_SIZE = 100

belongs\_to :user

acts\_as\_votable

validates :title, presence: true, length: { minimum: 4, maximum: 255 }

validates :description, presence: true, length: { minimum: 1, maximum: 10000 }

validates :user\_id, presence: true

after\_commit :check\_voute\_size

aasm column: 'state' do

state :vouting, initial: true

state :declined

state :complited

state :waiting

event :complite do

transitions from: :waiting, to: :complited

end

event :wait do

transitions from: :vouting, to: :waiting

end

event :decline do

transitions from: :vouting, to: :declined

end

end

private

def check\_voute\_size

wait! if (get\_upvotes.size >= VOUTE\_SIZE && !waiting?)

end

end

Клас User:

class User < ApplicationRecord

VALID\_EMAIL\_REGEX = /\A[\w+\-.]+@[a-z\d\-.]+\.[a-z]+\z/i

validates :username, presence: true, uniqueness: true, length: { minimum: 3, maximum: 25 }

validates :email, presence: true, uniqueness: true,uniqueness: { case\_sensitive: false },

format: { with: VALID\_EMAIL\_REGEX }

validates :first\_name, presence: true

validates :second\_name, presence: true

validates :city, presence: true

validates :passport\_number, presence: true, uniqueness:true, length: {is:8}

validates :phone\_number, presence: true

validates :date\_of\_birth, presence:true

has\_many :petitions

before\_save { self.email = email.downcase }

has\_secure\_password

acts\_as\_voter

end

Схема ActiveRecord:

ActiveRecord::Schema.define(version: 2019\_03\_15\_123325) do

create\_table "petitions", options: "ENGINE=InnoDB DEFAULT CHARSET=utf8", force: :cascade do |t|

t.string "title"

t.text "description"

t.datetime "updated\_at"

t.integer "user\_id"

t.integer "cached\_votes\_total", default: 0

t.integer "cached\_votes\_score", default: 0

t.integer "cached\_votes\_up", default: 0

t.integer "cached\_votes\_down", default: 0

t.integer "cached\_weighted\_score", default: 0

t.integer "cached\_weighted\_total", default: 0

t.float "cached\_weighted\_average", default: 0.0

t.integer "cached\_scoped\_subscribe\_votes\_total", default: 0

t.integer "cached\_scoped\_subscribe\_votes\_score", default: 0

t.integer "cached\_scoped\_subscribe\_votes\_up", default: 0

t.integer "cached\_scoped\_subscribe\_votes\_down", default: 0

t.integer "cached\_weighted\_subscribe\_score", default: 0

t.integer "cached\_weighted\_subscribe\_total", default: 0

t.float "cached\_weighted\_subscribe\_average", default: 0.0

t.string "state"

end

create\_table "users", options: "ENGINE=InnoDB DEFAULT CHARSET=utf8", force: :cascade do |t|

t.string "username"

t.string "email"

t.string "first\_name"

t.string "second\_name"

t.string "city"

t.string "passport\_number"

t.integer "phone\_number"

t.date "date\_of\_birth"

t.datetime "created\_at", null: false

t.datetime "updated\_at", null: false

t.string "password\_digest"

end

create\_table "votes", id: :integer, options: "ENGINE=InnoDB DEFAULT CHARSET=utf8", force: :cascade do |t|

t.string "votable\_type"

t.integer "votable\_id"

t.string "voter\_type"

t.integer "voter\_id"

t.boolean "vote\_flag"

t.string "vote\_scope"

t.integer "vote\_weight"

t.datetime "created\_at"

t.datetime "updated\_at"

t.index ["votable\_id", "votable\_type", "vote\_scope"], name: "index\_votes\_on\_votable\_id\_and\_votable\_type\_and\_vote\_scope"

t.index ["voter\_id", "voter\_type", "vote\_scope"], name: "index\_votes\_on\_voter\_id\_and\_voter\_type\_and\_vote\_scope"

end

end

Маршрути:

Rails.application.routes.draw do

# For details on the DSL available within this file, see http://guides.rubyonrails.org/routing.html

root 'pages#index'

get 'signup', to: 'users#new'

resources :petitions do

member do

put "support", to: "petitions#support"

put "unsupport", to: "petitions#unsupport"

end

end

resources :users, except: [:new]

get 'login', to: 'sessions#new'

post 'login', to: 'sessions#create'

delete 'logout', to: 'sessions#destroy'

end

Код шаблону футеру:

<footer class="<% if current\_page?('/') %> transparent-footer<% end %>">

<div class="container">

<div class="row">

<div class="col-md-3">

<%= link\_to 'Petition-online', root\_path, :class=>"navbar-brand"%>

</div>

<div class="col-md-3 offset-md-6">

<a class="navbar-brando" href="https://t.me/AOleinik">Made by Oleksandr Oliinyk</a>

</div>

</div>

</div>

</footer>

Код шаблону навігаційної панелі:

<nav class="navbar shadow-sm fixed-top navbar-light navbar-expand-lg <% if current\_page?('/') %> transparent<% else %> "style="background-color: #e3f2fd; <% end %>" role="navigation">

<%= link\_to 'Petition-online', root\_path, :class=>"navbar-brand"%>

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav" aria-expanded="true" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarNav">

<ul class="navbar-nav d-flex w-100">

<li class="nav-item active ">

<%= link\_to 'List', petitions\_path, :class=>'nav-link '%>

</li>

<li class="nav-item mr-auto">

<% if logged\_in? %>

<%= link\_to 'New petition', new\_petition\_path, :class=>'nav-link '%>

<% else %>

<%= link\_to 'New petition', new\_petition\_path, :class=>'nav-link disabled'%>

<% end %>

</li>

<% if logged\_in? %>

<li class="nav-item">

<%= link\_to 'User', current\_user, :class=>'nav-link ' %>

</li>

<% end %>

<li class="nav-item">

<% if !logged\_in? %>

<%= link\_to 'Log in', login\_path, :class=>'nav-link ' %>

<% else %>

<%= link\_to 'Log out', logout\_path, method: :delete , :class=>'nav-link '%>

<% end %>

</li>

<% if !logged\_in? %>

<li class="nav-item">

<%= link\_to 'Sign up', signup\_path, :class=>'nav-link ' %>

</li>

<% end %>

</ul>

</div>

</nav>

Код шаблону основної сторінки:

<!DOCTYPE html>

<html>

<head>

<title>PetitionOnline</title>

<%= csrf\_meta\_tags %>

<%= csp\_meta\_tag %>

<%= stylesheet\_link\_tag 'application', media: 'all', 'data-turbolinks-track': 'reload' %>

<%= javascript\_include\_tag 'application', 'data-turbolinks-track': 'reload' %>

</head>

<body>

<div class="wrap <% if current\_page?('/')%> main <% end %>">

<%= render 'layouts/navigation' %>

<div class="container">

<%= render 'shared/messages' %>

<%= yield %>

</div>

</div>

<%= render 'layouts/footer' %>

</body>

</html>

Код головної сторінки:

<div class="welcome text-center">

<h1>Welcome to PetitionOnline</h1>

<h2>Start a petition, build support, win campaigns or simply follow the causes you love.</h2>

</div>

Код сторінки виведення всіх петицій:

<div class="page-header">

<h1>Listing all petitions</h1>

</div>

<% if flash[:notice] %>

<div class="alert alert-success"><%= flash[:notice] %></div>

<% end %>

<div class="row">

<% @petitions.each do |petition| %>

<div class="col-md-12">

<div class="petition-card petition-card-<%= petition.state%>">

<div class="petition-card\_\_header d-flex justify-content-between">

<div class="petition-card\_\_header\_\_id">

Petition number: #<%= petition.id%>

</div>

<p class="petition-card\_\_header\_\_status">Status: <%= petition.state %></p>

</div>

<div class="petition-card\_\_title">

<%= petition.title %>

</div>

<div class="petition-card\_\_description">

<%= petition.description %>

</div>

<div class="petition-card\_\_actions mt-2">

<%= link\_to 'View more..', petition\_path(petition), :class=>"btn btn-outline-info" %>

</div>

</div>

</div>

<% end %>

</div>

<div class="row">

<div class="mx-auto">

<%= will\_paginate @petitions,renderer: WillPaginate::ActionView::BootstrapLinkRenderer %>

</div>

</div>

Код сторінки створення петицій:

<h1>Create an petition</h1>

<%= render 'shared/errors', obj: @petition %>

<div class="row">

<div class="col-12">

<%= form\_for(@petition,:html => {class: "form-horizontal", role: "form"}) do |f| %>

<div class="form-group">

<div class="control-label col-12">

<%= f.label :title %><br>

</div>

<div class="col-12">

<%= f.text\_field :title, class: "form-control", placeholder: "Title of article", autofocus: true %>

</div>

</div>

<div class="form-group">

<div class="control-label col-12">

<%= f.label :Organisation %><br>

</div>

<div class="col-12">

<%= f.text\_field :title, class: "form-control", placeholder: "Organisation", autofocus: true %>

</div>

</div>

<div class="form-group">

<div class="control-label col-12">

<%= f.label :description %>

</div>

<div class="col-12">

<%= f.text\_area :description, rows: 10, class: "form-control", placeholder: "Body of article" %>

</div>

</div>

<div class="form-group">

<div class="offset-10 col-2">

<%= f.submit class: 'btn btn-primary btn-large' %>

</div>

</div>

User ID:<%= current\_user.id %> <br>

User Name: <%= current\_user.username %>

<%= f.hidden\_field :user\_id, value: current\_user.id%>

<% end %>

<%= link\_to 'Back', petitions\_path %>

</div>

</div>

Код сторінки переглчду петиції:

<% if flash[:notice] %>

<div class="alert alert-success"><%= flash[:notice] %></div>

<% end %>

<p class="petition-status">Status: <%= @petition.state %></p>

<div class="progress">

<div class="progress-bar" role="progressbar" style="width: <%= @petition.get\_upvotes.size.to\_f %>%;" aria-valuenow="<%= @petition.get\_upvotes.size%>" aria-valuemin="0" aria-valuemax="100"><%= @petition.get\_upvotes.size%>/100</div>

</div>

<h2><%= @petition.title %></h2>

<hr>

<div class="petition\_\_info">

<div class="row h-100">

<div class="col-2 d-flex justify-content-between flex-column h-100">

<div class="nav flex-column nav-pills" id="v-pills-tab" role="tablist" aria-orientation="vertical">

<a class="nav-link active" id="v-pills-home-tab" data-toggle="pill" href="#v-pills-description" role="tab" aria-controls="description" aria-selected="true">Text of petition</a>

<a class="nav-link" id="v-pills-profile-tab" data-toggle="pill" href="#v-pills-subscribers" role="tab" aria-controls="v-pills-profile" aria-selected="false">Subscribers</a>

<% if @petition.state == "complited" %>

<a class="nav-link " id="v-pills-messages-tab" data-toggle="pill" href="#v-pills-answer" role="tab" aria-controls="v-pills-messages" aria-selected="false">Answer</a>

<% else %>

<a class="nav-link disabled" id="v-pills-messages-tab" data-toggle="pill" href="#v-pills-answer" role="tab" aria-controls="v-pills-messages" aria-selected="false">Answer</a>

<% end %>

</div>

<div class="petition-actions">

<% if @petition.state == "vouting" %>

<% if logged\_in? %>

<% if current\_user.voted\_up\_on? @petition %>

<%= link\_to unsupport\_petition\_path(@petition),:class=>"btn btn-warning", method: :put do %>

Unsupport

<% end %>

<% else %>

<%= link\_to support\_petition\_path(@petition),:class=>"btn btn-success", method: :put do %>

Support

<% end %>

<% end %>

<% end %>

<% end %>

</div>

</div>

<div class="col-10">

<div class="tab-content" id="v-pills-tabContent">

<div class="tab-pane fade show active" id="v-pills-description" role="tabpanel" aria-labelledby="v-pills-home-tab"><%= @petition.description %></div>

<div class="tab-pane fade" id="v-pills-subscribers" role="tabpanel" aria-labelledby="v-pills-profile-tab">

<p>User supported this petition: <%= @petition.get\_upvotes.size %> from 1500</p>

<table class="table">

<thead class="thead-light">

<tr>

<th scope="col">#</th>

<th scope="col">First name</th>

<th scope="col">Last name</th>

</tr>

</thead>

<tbody>

<% @petition.votes\_for.up.by\_type(User).voters.each do |user| %>

<tr>

<th scope="row"><%= user.id %></th>

<td><%= user.first\_name %></td>

<td><%= user.second\_name %></td>

</tr>

<% end%>

</tbody>

</table>

</div>

<div class="tab-pane fade" id="v-pills-answer" role="tabpanel" aria-labelledby="v-pills-messages-tab">...</div>

</div>

</div>

</div>

</div>

<hr>

<%= link\_to "Show all petitions", petitions\_path, class: "btn btn-xs btn-success" %>

<% if logged\_in? %>

<% if @petition.user\_id == current\_user.id %>

<%= link\_to "Delete", petition\_path(@petition), method: :delete, data: { confirm: "Are you sure you want to delete this petition?"}, class: "btn btn-xs btn-danger" %>

<% end %>

<% end %>

<small>Created by: <%= @petition.user.first\_name if @petition.user %> <%= @petition.user.second\_name if @petition.user %>,

<%= (@petition.updated\_at).strftime("Published: %d:%m:%Y at %H:%M") %>