Paths and URLs

Sergio Revilla
@elreplicante

based on Martin Tschischauskas (@martynasc) slides

An HTML link

Locations

Home

Visits in Barcelona

Rails provides a way to create automatic links based in the routes file

```ruby
Rails.application.routes.draw do
  root 'home#welcome'

  resources :locations do
    resources :visits
  end

end
```

```
         Prefix Verb    URI Pattern                                      Controller#Action
           root GET     /                                                home#welcome
 location_visits GET    /locations/:location_id/visits(.:format)         visits#index
                POST    /locations/:location_id/visits(.:format)         visits#create
new_location_visit GET  /locations/:location_id/visits/new(.:format)     visits#new
edit_location_visit GET /locations/:location_id/visits/:id/edit(.:format) visits#edit
  location_visit GET    /locations/:location_id/visits/:id(.:format)     visits#show
                PATCH   /locations/:location_id/visits/:id(.:format)     visits#update
                PUT     /locations/:location_id/visits/:id(.:format)     visits#update
                DELETE  /locations/:location_id/visits/:id(.:format)     visits#destroy
       locations GET    /locations(.:format)                             locations#index
                POST    /locations(.:format)                             locations#create
    new_location GET    /locations/new(.:format)                         locations#new
   edit_location GET    /locations/:id/edit(.:format)                    locations#edit
        location GET    /locations/:id(.:format)                         locations#show
                PATCH   /locations/:id(.:format)                         locations#update
                PUT     /locations/:id(.:format)                         locations#update
                DELETE  /locations/:id(.:format)                         locations#destroy
```

Resource CRUDING

Read a resource

location GET   /locations/:id(.:format)   locations#show

```
Method:  GET
Path:    /locations/:id
C#A:     locations#show
Helper:  location_path
Example: /locations/33
```

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Resource CRUDING

Create a resource

POST   /locations(.:format)   locations#create

```
Method:  POST
Path:    /locations
C#A:     locations#create
Helper:  locations_path
Example: /locations
```

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Resource CRUDING

Update a resource

location PATCH /locations/:id(.:format)   locations#update
location PUT   /locations/:id(.:format)   locations#update

```
Method:  PATCH or PUT
Path:    /locations/:id
C#A:     locations#update
Helper:  location_path
Example: /locations/33
```

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Let's implement some links

Our objective

In the list of locations page:

each location should link to its visits page

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How to link locations

1. Search for the destination page URL in the list of routes

location_visits GET   /locations/:location_id/visits(.:format)   visits#index

How to link locations

2. Get the URL helper name

location_visits GET   /locations/:location_id/visits(.:format)   visits#index

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How to link locations

3. Use it

```erb
<h1>Locations</h1>
<ul>
  <% @locations.each do |location| %>
    <li>
      <% if location.name.present? %>
        <%= location.name %> -
      <% end %>
      <%= location.city %>
    </li>
  <% end %>
</ul>
```

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How to link locations

```erb
<%= link_to location.name, location_visits_path(location) %>
```

or the longer form

```erb
<%= link_to location.name, location_visits_path(location.id) %>
```

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How to link locations

3. Use it

```erb
<% if location.name.present? %>
  <%= link_to location.name, location_visits_path(location) %> -
  <%= location.city %>
<% else %>
  <%= link_to location.city, location_visits_path(location) %>
<% end %>
```

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How to link locations

```erb
<%= link_to location.name, location_visits_path(location) %>
```

```erb
<a href="<%= location_visits_path(location) %>">
  <%= location.name %>
</a>
```

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Helper method arguments

```
<%= link_to location.name, location_visits_path(location) %>
```

/locations/**:location_id**/visits

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Exercise #28

Add a couple of links to the location

1. in the page of visits, link to the locations page and to the new visit page

2. in the page of new visits, add a link with the text "Cancel" to the visits list of a location

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Other forms of routing helpers

Other forms of routing helpers

app/views/visits/new.html.erb

```erb
<%= form_for [@location, @visit] do |f| %>
<% end %>
```

location_visits POST   /locations/:location_id/visits(.:format)   visits#create
location_visit PUT   /locations/:location_id/visits/:id(.:format)   visits#update

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