

Rails で 著者名典拠データベースをつくろう

Application : Zukan

Model: Name

Attribute:

- Type of name
- Name string
- Scope of usage
- Dates of usage
- Language of name
- Script of name
- Transliteration scheme of name

Model: Person

Attribute:

- Dates associated with the person・・・ **Date of birth**, Date of death
- **Title** of person
- Gender*
- **Place of birth***
- Place of death*
- Country*
- Place of residence*
- Affiliation*
- Address*
- Language of person*
- Field of activity*
- Profession/occupation*
- Biography/histroy*
- Other information associated with the person

* はFRADで追加したもの

まずは、**赤字**だけを実装

栗本薫

\$ rails new zukan

\$ cd zukan

Nameモデルを作成します。

```
$ rails g scaffold Name type_of_name:text name_string:text scope_of_usage:text  
dates_of_usage:datetime language_of_name:string script_of_name:text  
transliteration_scheme_of_name:string
```

```
$ rake db:migrate  
$ rm public/index.html
```

```
config/routes.rbを編集  
#root :to => 'welcome#index'  
↓  
root :to => 'names#index'
```

アプリケーションを起動して人物を登録してみます。
\$./script/rails s

フォームの編集

```
$ vi app/views/names/_form.html.erb
```

```
複数行フォームから1行のフォームにする  
<%= f.text_area :type_of_name %>  
↓  
<%= f.text_field :type_of_name %>
```

```
日付をテキストで入力する  
<%= f.datetime_select :dates_of_usage %>  
↓  
<%= f.text_field :dates_of_usage %>
```

PersonモデルのScaffold

```
$ rails g scaffold Person title:string date_of_birth:datetime place_of_birth:string
```

NameとPersonを関連づけられるように、Nameにperson_idカラムを追加
\$ rails g migration AddPersonIdToName person_id:integer

作成されたファイル 20130518073025_add_person_id_to_name.rb を編集
以下、追加した行を赤字で書きます。

```
class AddPersonIdToName < ActiveRecord::Migration  
  def change
```

```
    add_column :names, :person_id, :integer
    add_index :names, :person_id # この行を追加
  end
end
```

```
$ rake db:migrate
```

```
$ vi app/models/person.rb
```

```
class Person < ActiveRecord::Base
  attr_accessible :date_of_birth, :place_of_birth, :title
  has_many :names # この行を追加
end
```

```
$ vi app/models/name.rb
```

```
class Name < ActiveRecord::Base
  attr_accessible :dates_of_usage, :language_of_name, :name_string, :scope_of_usage,
:script_of_name, :transliteration_scheme_of_name, :type_of_name
  # 以下の2行を追加
  attr_accessible :person_id
  belongs_to :person
end
```

```
app/views/names/_form.html.erb
```

```
    </ul>
  </div>
<% end %>
```

```
<!-- 以下の4行を追加 -->
```

```
<div class="field">
  <%= f.label :person_id %><br />
  <%= f.text_field :person_id %>
</div>
```

```
<div class="field">
  <%= f.label :type_of_name %><br />
  <%= f.text_field :type_of_name %>
</div>
```

<http://localhost:3000/people> にアクセスして、People に情報を追加してみます。

```
app/models/person.rb
class Person < ActiveRecord::Base
  attr_accessible :date_of_birth, :place_of_birth, :title, :name_id
  has_many :names
  attr_accessor :name_id
end
```

```
$ vi app/controllers/people_controller.rb
```

```
class PeopleController < ApplicationController
  # GET /people
  # GET /people.json
  def index
    @people = Person.all
    @name = Person.where(:id => params[:name_id]).first

    respond_to do |format|
      format.html # index.html.erb
      format.json { render json: @people }
    end
  end

  # GET /people/1
  # GET /people/1.json
  def show
    @person = Person.find(params[:id])

    respond_to do |format|
      format.html # show.html.erb
      format.json { render json: @person }
    end
  end

  # GET /people/1/edit
  def edit
    @person = Person.find(params[:id])
    @person.name_id = params[:name_id]
  end

  # PUT /people/1
```

```
# PUT /people/1.json
def update
  @person = Person.find(params[:id])

  respond_to do |format|
    if @person.update_attributes(params[:person])
      @person.names << Name.where(:id => @person.name_id).first
      format.html { redirect_to @person, notice: 'Person was successfully updated.' }
      format.json { head :no_content }
    else
      format.html { render action: "edit" }
      format.json { render json: @person.errors, status: :unprocessable_entity }
    end
  end
end
```

```
$ vi app/views/people/index.html.erb
  <td><%= person.place_of_birth %></td>
  <td><%= link_to 'Add this person', edit_person_path(person, :name_id => @name.id) if
  @name %></td>
  <td><%= link_to 'Show', person %></td>
```

```
$ vi app/views/people/show.html.erb
```

```
<p>
  <b>Place of birth:</b>
  <%= @person.place_of_birth %>
</p>
```

```
<p>
  <b>Name:</b>
  <% @person.names.each do |name| %>
    <%= link_to name.name_string, name %>
  <% end %>
</p>
```

```
<%= link_to 'Edit', edit_person_path(@person) %> |
<%= link_to 'Back', people_path %>
```

```
$ vi app/views/names/show.html.erb
```

```
<%= link_to 'Edit', edit_name_path(@name) %> |
<%= link_to 'Back', names_path %>
```

```
<%= link_to 'Add a person', people_path(:name_id => @name.id) %>
```