

skillcrush

REST URL CONVENTIONS

cheatsheet

REST URL CONVENTIONS

REST URL conventions are a set of conventions & best practices around how you name your web app's URL paths.

The idea is that by following the conventions you will always know what path to use no matter what the name of a given class OR how many classes you have created.

So stick to it :)

All examples will be for the class Person

To SEE all resources in a given class

Go to the URL: <http://localhost:4567/pluralofclassname>

```
http://localhost:4567/people
```

The template should be named index.erb and be located in the folder of that class name:

- views >
- pluralofclassname >
- index.erb

```
views > people > index.erb
```

Your controller action will look like this:

```
get '/people' do
  @people = Person.all
  erb :"/people/index"
end
```

To SEE a specific resource

Go to the URL: <http://localhost:4567/pluralofclassname/id>

```
http://localhost:4567/people/4
```

The template should be named `index.erb` and be located in the folder of that class name:

- views >
 - pluralofclassname >
 - show.erb

```
views > people > show.erb
```

Your controller action will look like this:

```
get '/people/:id' do
  @person = Person.find(params[:id])
  birth_path_num =
  Person.get_birth_path_num(@person.birthdate.strftime("%m%d%Y"))
  @message = Person.get_message(birth_path_num)
  erb :"/people/show"
end
```

To CREATE a new resource

Go to the URL: <http://localhost:4567/pluralofclassname/new>

```
http://localhost:4567/people/new
```

The template should be named index.erb and be located in the folder of that class name:

- views >
 - pluralofclassname >
 - new.erb

```
views > people > new.erb
```

Your controller action will look like this:

```
get '/people/new' do
  @person = Person.new
  erb :"/people/new"
end
```

To EDIT an existing resource

Go to the URL: <http://localhost:4567/pluralofclassname/id/edit>

```
http://localhost:4567/people/:id/edit
```

The template should be named index.erb and be located in the folder of that class name:

- views >
 - pluralofclassname >
 - edit.erb

```
views > people > edit.erb
```

Your controller action will look like this:

```
get '/people/:id/edit' do
  @person = Person.find(params[:id])
  erb :"/people/edit"
end
```

To CREATE a new resource

Your controller action will look like this:

```
post '/people' do
  if params[:birthdate].include?("-")
    birthdate = params[:birthdate]
  else
    birthdate = Date.strptime(params[:birthdate], "%m%d%Y")
  end

  person = Person.create(first_name: params[:first_name], last_name:
params[:last_name], birthdate: birthdate)
  redirect "/people/#{person.id}"
end
```

To EDIT an existing resource

Your controller action will look like this:

```
put '/people/:id' do
  person = Person.find(params[:id])
  person.first_name = params[:first_name]
  person.last_name = params[:last_name]
  person.birthdate = params[:birthdate]
  person.save
  redirect "/people/#{person.id}"
end
```

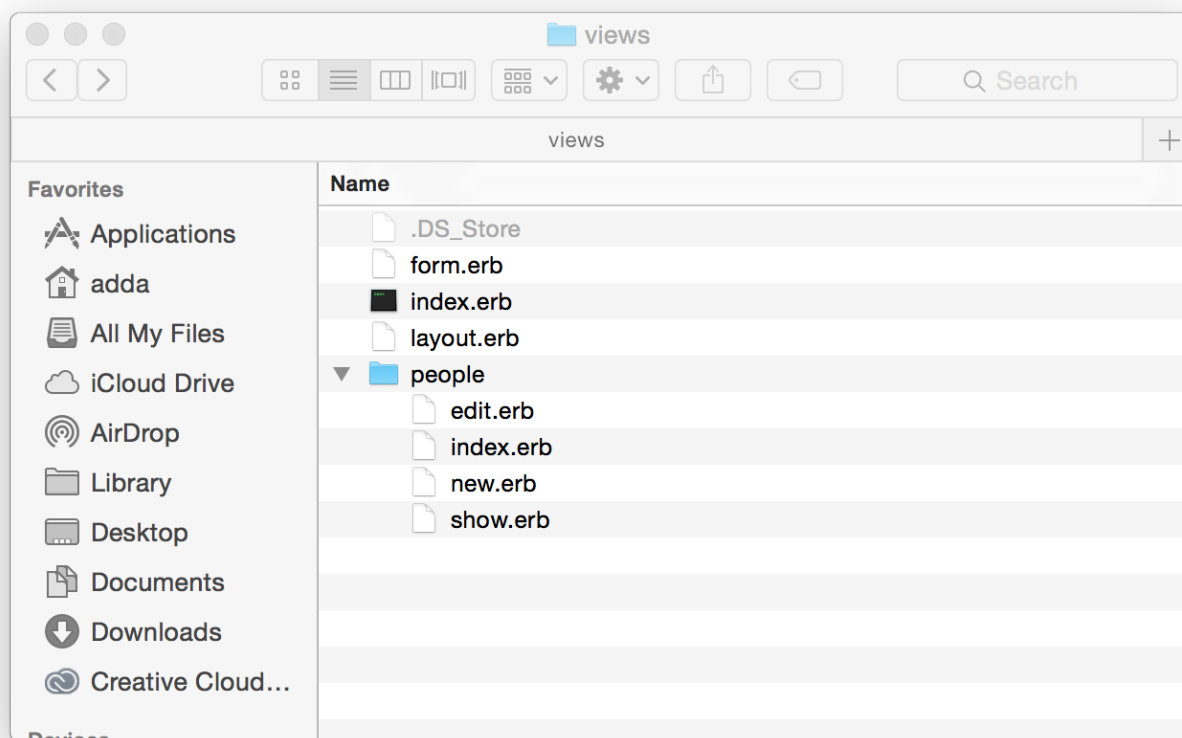
To DELETE an existing resource

Your controller action will look like this:

```
delete '/people/:id' do
  person = Person.find(params[:id])
  person.delete
  redirect "/people"
end
```

WHEN ALL IS SAID & DONE

In the end, given our example class `Person`, your templates should look like this:



And your controller actions in your `people_controller.rb` should look like this:

```
get '/people' do
  @people = Person.all
  erb :"/people/index"
end

get '/people/new' do
  @person = Person.new
  erb :"/people/new"
end

post '/people' do
```

```

    if params[:birthdate].include?("-")
      birthdate = params[:birthdate]
    else
      birthdate = Date.strptime(params[:birthdate], "%m%d%Y")
    end

    person = Person.create(first_name: params[:first_name], last_name:
params[:last_name], birthdate: birthdate)
    redirect "/people/#{person.id}"
  end

  get '/people/:id/edit' do
    @person = Person.find(params[:id])
    erb :"/people/edit"
  end

  put '/people/:id' do
    person = Person.find(params[:id])
    person.first_name = params[:first_name]
    person.last_name = params[:last_name]
    person.birthdate = params[:birthdate]
    person.save
    redirect "/people/#{person.id}"
  end

  delete '/people/:id' do
    person = Person.find(params[:id])
    person.delete
    redirect "/people"
  end

  get '/people/:id' do
    @person = Person.find(params[:id])
    birth_path_num =
Person.get_birth_path_num(@person.birthdate.strftime("%m%d%Y"))
    @message = Person.get_message(birth_path_num)
    erb :"/people/show"
  end
end

```