

software studio

REST in Rails

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RESTful routes



resources :photos

creates seven different routes in your application, all mapping to the Photos controller:

HTTP Verb	Path	action	used for
GET	/photos	index	display a list of all photos
GET	/photos/new	new	return an HTML form for creating a new photo
POST	/photos	create	create a new photo
GET	/photos/:id	show	display a specific photo
GET	/photos/:id/edit	edit	return an HTML form for editing a photo
PUT	/photos/:id	update	update a specific photo
DELETE	/photos/:id	destroy	delete a specific photo

model classes

one model class/resource

so if we have paths like

› teas/123/reviews/4

then we expect

› a model class Tea in tea.rb

› a model class Review in review.rb

and probably

› a field reviews in Tea

› a field tea in Review

```
class Review < ActiveRecord::Base
  belongs_to :tea
end
class Tea < ActiveRecord::Base
  has_many :reviews
end
```

scaffolding a resource

if you type this...



```
$ rails generate scaffold Post name:string title:string content:text
```

Rails generates these...

File	Purpose
db/migrate/20100207214725_create_posts.rb	Migration to create the posts table in your database (your name will include a different timestamp)
app/models/post.rb	The Post model
test/unit/post_test.rb	Unit testing harness for the posts model
test/fixtures/posts.yml	Sample posts for use in testing
config/routes.rb	Edited to include routing information for posts
app/controllers/posts_controller.rb	The Posts controller
app/views/posts/index.html.erb	A view to display an index of all posts
app/views/posts/edit.html.erb	A view to edit an existing post
app/views/posts/show.html.erb	A view to display a single post
app/views/posts/new.html.erb	A view to create a new post
app/views/posts/_form.html.erb	A partial to control the overall look and feel of the form used in edit and new views
test/functional/posts_controller_test.rb	Functional testing harness for the posts controller
app/helpers/posts_helper.rb	Helper functions to be used from the post views
test/unit/helpers/posts_helper_test.rb	Unit testing harness for the posts helper
app/assets/javascripts/posts.js.coffee	CoffeeScript for the posts controller
app/assets/stylesheets/posts.css.scss	Cascading style sheet for the posts controller
app/assets/stylesheets/scaffolds.css.scss	Cascading style sheet to make the scaffolded views look better

browser workaround

problem

- › many browsers won't make PUT or DELETE requests

workaround

- › Rails generates client-side code with verb in argument

you write



```
form_tag(search_path, :method => "put")
```

Rails generates



```
<form accept-charset="UTF-8" action="/search" method="post">  
  <div style="margin:0;padding:0">  
    <input name="_method" type="hidden" value="put" />  
    <input name="utf8" type="hidden" value="&#x2713;" />  
    <input name="authenticity_token" type="hidden" value="f755bb0ed134b  
</div>  
  ...
```

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