## Scaffolding

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"Learning is fun!"



### **Topics**

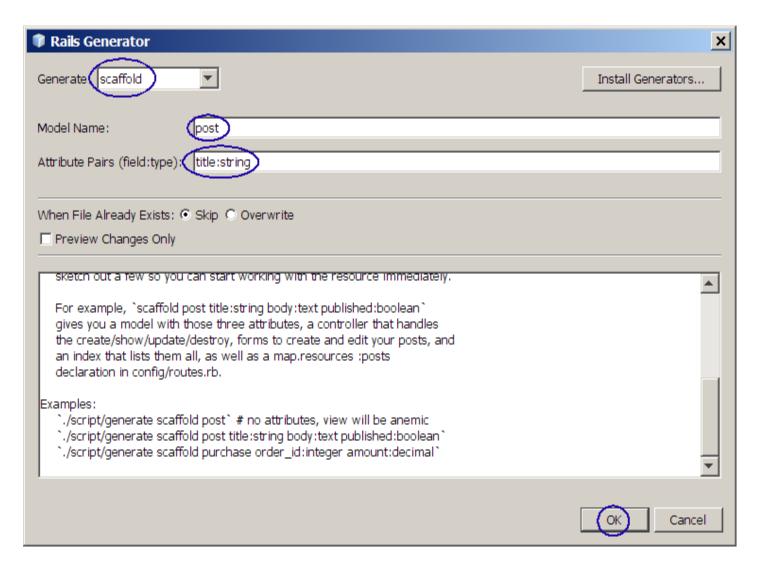
- What is scaffolding?
- Controller (that is generated through scaffolding)
- Templates (that are generated through scaffolding)

# What is Scaffolding?

## What Is "Scaffolding"?

- Scaffolding is a way to quickly put an Active Record class online by providing a series of standardized actions for listing, showing, creating, updating, and destroying objects of the class.
  - Useful for quick prototyping
- These standardized actions come with both controller logic and default templates that through introspection already know which fields to display and which input types to use.

## Scaffolding via Generator



## Files Created Through Scaffolding

- Controller
  - > app/controllers/posts\_controller.rb
- Template files
  - > app/views/posts/edit.html.erb
  - > app/views/posts/index.html.erb
  - > app/views/posts/new.html.erb
  - > app/views/posts/show.html.erb

# Controller (and its actions) that Is Generated via Scaffolding

#### **Actions In the Generated Controller**

- index
- show
- new
- edit
- create
- update
- destroy

### **Example: Controller**

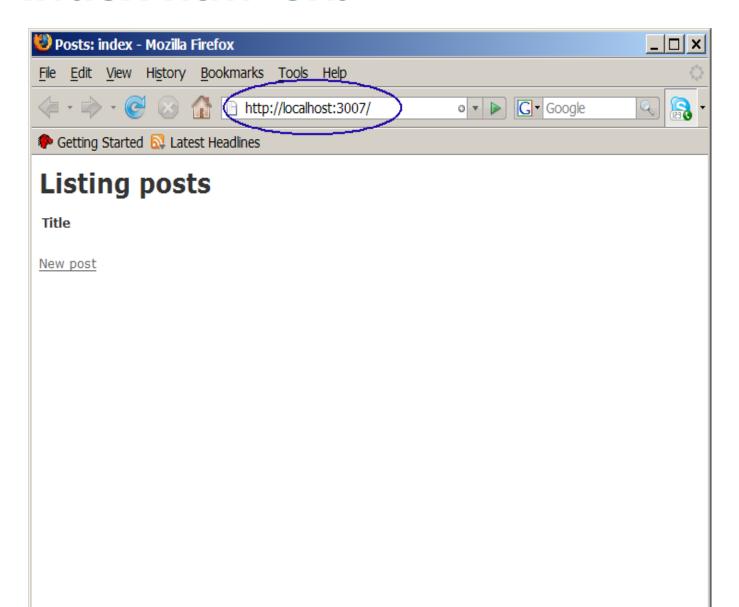
```
class PostsController < ApplicationController
 # GET /posts
 # GET /posts.xml
 def index
  @posts = Post.find(:all)
  respond to do |format|
   format.html # index.html.erb
   format.xml { render :xml => @posts }
  end
 end
 # GET /posts/1
 # GET /posts/1.xml
 def show
  @post = Post.find(params[:id])
  respond_to do |format|
   format.html # show.html.erb
   format.xml { render :xml => @post }
  end
 end
```

# Templates That Are Generated via Scaffolding

#### index.html.erb

```
<h1>Listing posts</h1>
Title
<% for post in @posts %>
<%=h post.title %>
 <%= link to 'Show', post %>
 <%= link_to 'Edit', edit_post_path(post) %>
 <%= link to 'Destroy', post, :confirm => 'Are you sure?', :method
 => :delete %>
<% end %>
<br />
<%= link_to 'New post', new_post_path %>
```

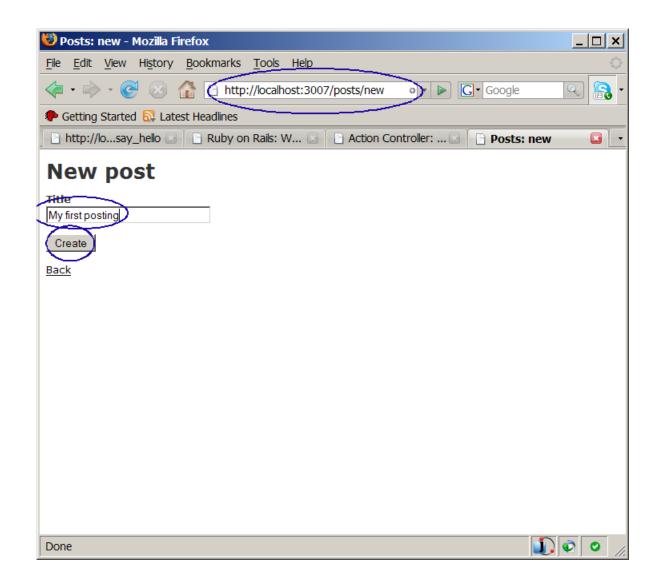
#### index.html.erb



#### new.html.erb

```
<h1>New post</h1>
<%= error_messages_for :post %>
<% form_for(@post) do |f| %>
 >
  <b>Title</b><br />
  <%= f.text_field :title %>
 >
  <%= f.submit "Create" %>
 <% end %>
<%= link_to 'Back', posts_path %>
```

#### new.html.erb



## Thank you!

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