



More Action Pack

```
$rails new i_reviewed  
$cd i_reviewed
```

“iReviewed” App

- Let's write an app that lets a user make notes about the books he read
- We'll need 3 tables:
 1. Reviewers
 - name, password_digest
 2. Books
 - name, author, reviewer_id
 3. Notes
 - title, note, book_id

Creating the app from scratch

```
hazink1:~/i_reviewed$ rails g model reviewer name password_digest -q
hazink1:~/i_reviewed$ rails g model book name author reviewer:references -q
hazink1:~/i_reviewed$ rails g model note title note:text book:references -q
hazink1:~/i_reviewed$ rake db:migrate
== 20140722225000 CreateReviewers: migrating =====
-- create_table(:reviewers)
   -> 0.0010s
== 20140722225000 CreateReviewers: migrated (0.0011s) =====

== 20140722225036 CreateBooks: migrating =====
-- create_table(:books)
   -> 0.0009s
== 20140722225036 CreateBooks: migrated (0.0009s) =====

== 20140722225115 CreateNotes: migrating =====
-- create_table(:notes)
   -> 0.0008s
== 20140722225115 CreateNotes: migrated (0.0008s) =====
```

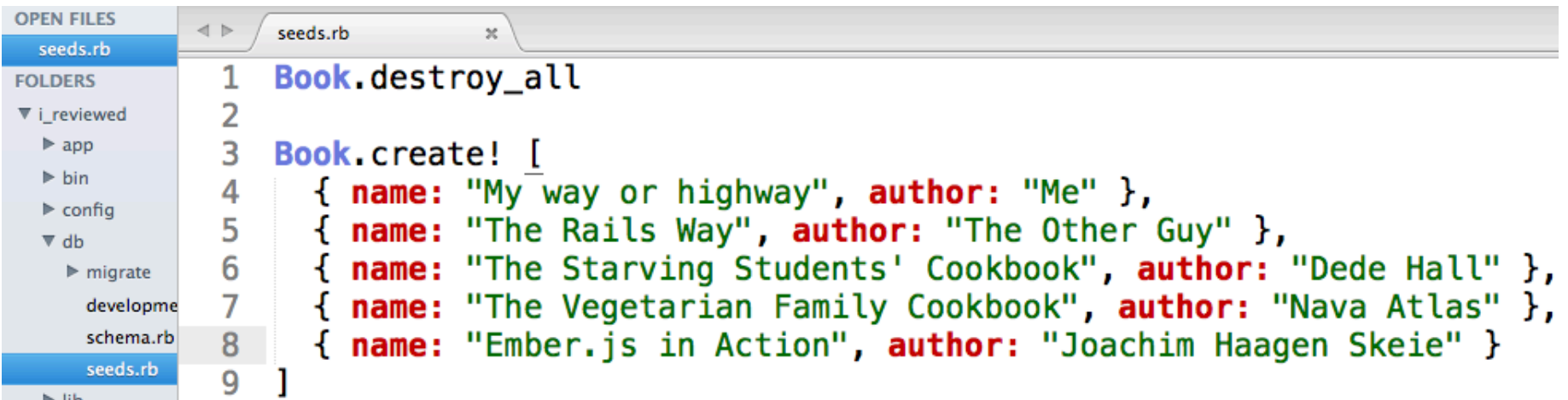
Specify Associations in the Models

```
< > reviewer.rb ×  
1 class Reviewer < ActiveRecord::Base  
2   has_many :books  
3 end
```

```
< > book.rb ×  
1 class Book < ActiveRecord::Base  
2   belongs_to :reviewer  
3   has_many :notes, dependent: :destroy  
4 end
```

```
< >  
1 class Note < ActiveRecord::Base  
2   belongs_to :book  
3 end
```

Seeding with some data



The image shows a code editor window with a sidebar on the left and a main editing area. The sidebar has two sections: 'OPEN FILES' and 'FOLDERS'. Under 'OPEN FILES', 'seeds.rb' is listed. Under 'FOLDERS', there is a tree view showing a project structure with folders like 'i_reviewed', 'app', 'bin', 'config', 'db', and 'migrate', and files like 'developme', 'schema.rb', and 'seeds.rb'. The 'seeds.rb' file is selected. The main editing area shows the content of 'seeds.rb' with line numbers 1 through 9. The code is as follows:

```
1 Book.destroy_all
2
3 Book.create! [
4   { name: "My way or highway", author: "Me" },
5   { name: "The Rails Way", author: "The Other Guy" },
6   { name: "The Starving Students' Cookbook", author: "Dede Hall" },
7   { name: "The Vegetarian Family Cookbook", author: "Nava Atlas" },
8   { name: "Ember.js in Action", author: "Joachim Haagen Skeie" }
9 ]
```

Seeding with some data

```
hazink1:~/i_reviewed$ rake db:seed
hazink1:~/i_reviewed$ rails db
SQLite version 3.7.12 2012-04-03 19:43:07
Enter ".help" for instructions
Enter SQL statements terminated with a ";"
sqlite> .headers on
sqlite> .mode columns
sqlite> select * from books;
```

id	name	author	reviewer_id	created_at	updated_at
1	My way or highway	Me		2014-07-22 23:07:46.542250	2014-07-22 23:07:46.542250
2	The Rails Way	The Other		2014-07-22 23:07:46.564890	2014-07-22 23:07:46.564890
3	The Starving Stud	Dede Hall		2014-07-22 23:07:46.568984	2014-07-22 23:07:46.568984
4	The Vegetarian Fa	Nava Atlas		2014-07-22 23:07:46.572709	2014-07-22 23:07:46.572709
5	Ember.js in Actio	Joachim Ha		2014-07-22 23:07:46.577412	2014-07-22 23:07:46.577412

```
sqlite> _
```

Scaffold a controller with views

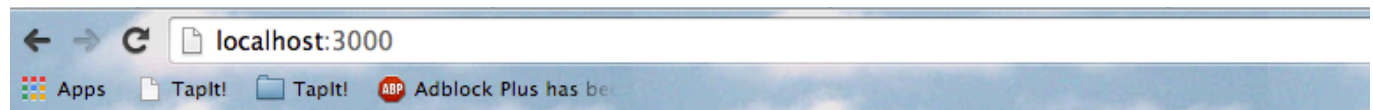
```
hazink1:~/i_reviewed$ rails g scaffold_controller book name author
  create  app/controllers/books_controller.rb
  invoke  erb
  create  app/views/books
  create  app/views/books/index.html.erb
  create  app/views/books/edit.html.erb
  create  app/views/books/show.html.erb
  create  app/views/books/new.html.erb
  create  app/views/books/_form.html.erb
  invoke  test_unit
  create  test/controllers/books_controller_test.rb
  invoke  helper
  create  app/helpers/books_helper.rb
  invoke  test_unit
  create  test/helpers/books_helper_test.rb
  invoke  jbuilder
  create  app/views/books/index.json.jbuilder
  create  app/views/books/show.json.jbuilder
```


config/routes.rb

routes.rb

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```
Rails.application.routes.draw do
  resources :books
  root to: "books#index"
end
```



Listing books

Name	Author	
My way or highway	Me	Show Edit Destroy
The Rails Way	The Other Guy	Show Edit Destroy
The Starving Students' Cookbook	Dede Hall	Show Edit Destroy
The Vegetarian Family Cookbook	Nava Atlas	Show Edit Destroy
Ember.js in Action	Joachim Haagen Skeie	Show Edit Destroy

[New Book](#)

Books index page (root of our app)

index.html.erb

```
<h1>Listing books</h1>

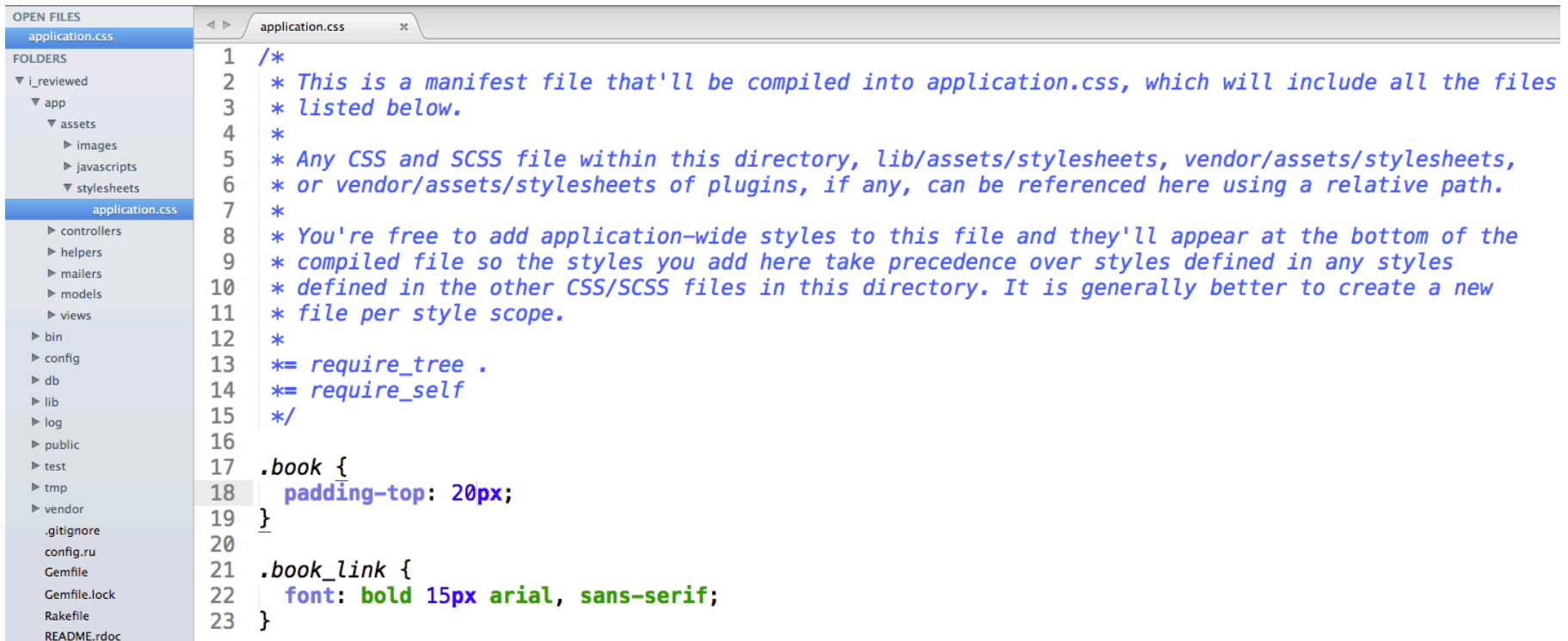
<table>
  <thead>
    <tr>
      <th>Name</th>
      <th>Author</th>
      <th colspan="3"></th>
    </tr>
  </thead>

  <tbody>
    <% @books.each do |book| %>
      <tr>
        <td><%= book.name %></td>
        <td><%= book.author %></td>
        <td><%= link_to 'Show', book %></td>
        <td><%= link_to 'Edit', edit_book_path(book) %></td>
        <td><%= link_to 'Destroy', book, method: :delete, data: { confirm: 'Are you sure?' } %></td>
      </tr>
    <% end %>
  </tbody>
</table>

<br>

<%= link_to 'New Book', new_book_path %>
```

After some minor mods...



```
1 /*
2  * This is a manifest file that'll be compiled into application.css, which will include all the files
3  * listed below.
4  *
5  * Any CSS and SCSS file within this directory, lib/assets/stylesheets, vendor/assets/stylesheets,
6  * or vendor/assets/stylesheets of plugins, if any, can be referenced here using a relative path.
7  *
8  * You're free to add application-wide styles to this file and they'll appear at the bottom of the
9  * compiled file so the styles you add here take precedence over styles defined in any styles
10 * defined in the other CSS/SCSS files in this directory. It is generally better to create a new
11 * file per style scope.
12 *
13 *= require_tree .
14 *= require_self
15 */
16
17 .book {
18   padding-top: 20px;
19 }
20
21 .book_link {
22   font: bold 15px arial, sans-serif;
23 }
```

After some minor mods...

index.html.erb

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```
<h1>Books</h1>
```

```
<% @books.each do |book| %>
```

```
  <div class="book">
```

```
    <%= link_to "#{book.name} (#{book.author}) ", book, class: "book_link" %>
```

```
    <%= link_to 'Edit', edit_book_path(book) %>
```

```
    <%= link_to 'Remove', book, method: :delete, data: { confirm: 'Are you sure?' } %>
```

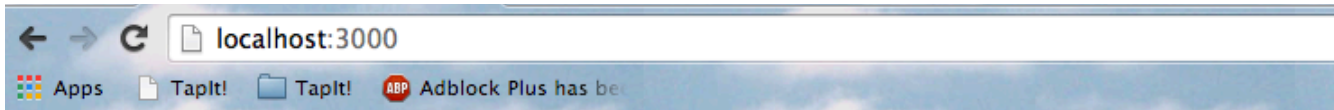
```
  </div>
```

```
<% end %>
```

```
<br />
```

```
<%= link_to 'New Book', new_book_path %>
```

After some minor mods...



Books

[My way or highway \(Me\) Edit Remove](#)

[The Rails Way \(The Other Guy\) Edit Remove](#)

[The Starving Students' Cookbook \(Dede Hall\) Edit Remove](#)

[The Vegetarian Family Cookbook \(Nava Atlas\) Edit Remove](#)

[Ember.js in Action \(Joachim Haagen Skeie\) Edit Remove](#)

[New Book](#)