



Pagination (and more Heroku)

Pagination fun recipe

1. Shut down your server
2. Include `will_paginate` gem
3. Run `$bundle`
4. 1 line of code in the controller
5. 1 line of code in your view
6. Enjoy the results with a cup of coffee

Seed (many more) books

seeds.rb

```
Reviewer.destroy_all  
Book.destroy_all
```

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

```
200.times { |index| Book.create! { name: "Name#{index}", author: "Author#{index}" }}
```

```
mine = Book.find_by author: "Me"  
mine.notes.create! [  
  { title: "Fascinating", note: "This book is simply amazing!" },  
  { title: "Wow", note: "This guy is so full of himself... :)"}  
]
```

```
reviewers = Reviewer.create! [  
  { name: "Joe", password: "abc123" },  
  { name: "Jim", password: "123abc" }  
]
```

```
Book.all.each do |book|  
  book.reviewer = reviewers.sample  
  book.save!  
end
```

will_paginate in the Gemfile

Gemfile

✕

```
source 'https://rubygems.org'
```

```
gem 'rails', '4.1.1'
gem 'sqlite3'
gem 'sass-rails', '~> 4.0.3'
gem 'uglifier', '>= 1.3.0'
gem 'coffee-rails', '~> 4.0.0'
gem 'jquery-rails'
gem 'turbolinks'
gem 'jbuilder', '~> 2.0'
gem 'sdoc', '~> 0.4.0', group: :doc
gem 'spring', group: :development
```

```
# Use ActiveRecord has_secure_password
gem 'bcrypt', '~> 3.1.7'
```

```
gem 'will_paginate', '~> 3.0'
```

BooksController

books_controller.rb

✕

```
class BooksController < ApplicationController
  before_action :set_book, only: [:show, :edit, :update, :destroy]

  def index
    @books = current_user.books.paginate(page: params[:page], per_page: 5)
  end

  def new
    @book = current_user.books.new
  end
end
```

books/index.html.erb

index.html.erb

```
<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 %>
```

```
<p />
```

```
<%= will_paginate @books %>
```

```
<br />
```

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

Pagination results

Books

You are logged in as Joe | [Logout](#)

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

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

[Name1 \(Author1\)](#) [Edit](#) [Remove](#)

[Name3 \(Author3\)](#) [Edit](#) [Remove](#)

[Name5 \(Author5\)](#) [Edit](#) [Remove](#)

← Previous / [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) ... [20](#) [21](#) Next →

[New Book](#)

Heroku Deployment

Gemfile

✕

```
source 'https://rubygems.org'

gem 'rails', '4.1.1'
gem 'sqlite3', group: :development
gem 'sass-rails', '~> 4.0.3'
gem 'uglifier', '>= 1.3.0'
gem 'coffee-rails', '~> 4.0.0'
gem 'jquery-rails'
gem 'turbolinks'
gem 'jbuilder', '~> 2.0'
gem 'sdoc', '~> 0.4.0', group: :doc
gem 'spring', group: :development

# Use ActiveRecord has_secure_password
gem 'bcrypt', '~> 3.1.7'

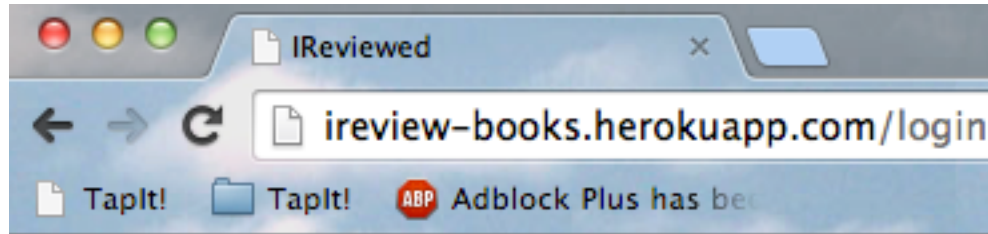
gem 'will_paginate', '~> 3.0'

group :production do
  gem 'pg'
  gem 'rails_12factor'
end
```


Heroku Deployment

```
hazink1:~/i_reviewed$ ls
.                .gitignore      README.rdoc      bin              db               public           vendor
..               Gemfile          Rakefile         config           lib             test
.git             Gemfile.lock     app              config.ru        log             tmp
hazink1:~/i_reviewed$ heroku login
Enter your Heroku credentials.
Email: kalmanh@gmail.com
Password (typing will be hidden):
Authentication successful.
hazink1:~/i_reviewed$ heroku create ireview-books
Creating ireview-books... done, stack is cedar
http://ireview-books.herokuapp.com/ | git@heroku.com:ireview-books.git
Git remote heroku added
hazink1:~/i_reviewed$ git push heroku master
Initializing repository, done.
Counting objects: 153, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (141/141), done.
Writing objects: 100% (153/153), 26.00 KiB | 0 bytes/s, done.
Total 153 (delta 40), reused 0 (delta 0)
-----> Ruby app detected
```

Heroku Deployment

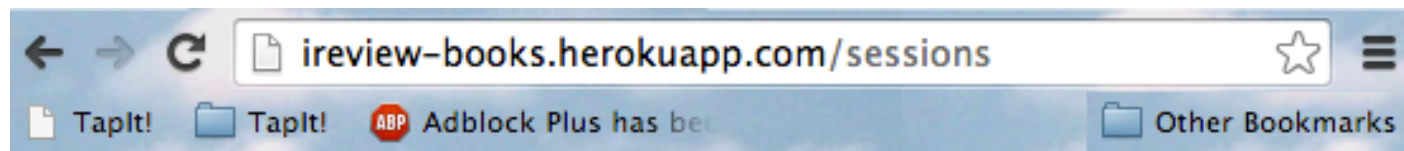


Login

Name

Password

Login



We're sorry, but something went wrong.

If you are the application owner check the logs for more information.

Wait for me...

- We deployed the app, but what about the database?
- `$heroku run rake db:migrate`
- `$heroku run rake db:seed`

Migrations and seeding on Heroku

```
hazink1:~/i_reviewed$ heroku run rake db:migrate
Running `rake db:migrate` attached to terminal... up, run.4456
Migrating to CreateReviewers (20140722225000)
== 20140722225000 CreateReviewers: migrating =====
-- create_table(:reviewers)
   -> 0.0337s
== 20140722225000 CreateReviewers: migrated (0.0340s) =====

Migrating to CreateBooks (20140722225036)
== 20140722225036 CreateBooks: migrating =====
-- create_table(:books)
   -> 0.0487s
== 20140722225036 CreateBooks: migrated (0.0491s) =====

Migrating to CreateNotes (20140722225115)
== 20140722225115 CreateNotes: migrating =====
-- create_table(:notes)
   -> 0.0509s
== 20140722225115 CreateNotes: migrated (0.0513s) =====

hazink1:~/i_reviewed$ heroku run rake db:seed
Running `rake db:seed` attached to terminal... up, run.9781
```

Heroku logs

```
hazink1:~/i_reviewed$ heroku logs
2014-07-28T03:50:08.347172+00:00 heroku[api]: Enable Logplex by kalmanh@gmail.com
2014-07-28T03:50:08.347248+00:00 heroku[api]: Release v2 created by kalmanh@gmail.com
2014-07-28T03:52:31+00:00 heroku[slug-compiler]: Slug compilation started
2014-07-28T03:53:09.424708+00:00 heroku[api]: Scale to web=1 by kalmanh@gmail.com
2014-07-28T03:53:10+00:00 heroku[slug-compiler]: Slug compilation finished
2014-07-28T03:53:09.853019+00:00 heroku[api]: Set DATABASE_URL config vars by kalmanh@gmail.com
2014-07-28T03:53:09.853083+00:00 heroku[api]: Release v3 created by kalmanh@gmail.com
2014-07-28T03:53:09.931992+00:00 heroku[api]: Release v4 created by kalmanh@gmail.com
2014-07-28T03:53:10.025354+00:00 heroku[api]: Set LANG, RAILS_ENV, RACK_ENV, SECRET_KEY_BASE config vars by kalmanh@gmail.com
2014-07-28T03:53:10.114066+00:00 heroku[api]: Deploy 511b324 by kalmanh@gmail.com
2014-07-28T03:53:09.931928+00:00 heroku[api]: Attach HEROKU_POSTGRESQL_PINK resource by kalmanh@gmail.com
2014-07-28T03:53:10.025420+00:00 heroku[api]: Release v5 created by kalmanh@gmail.com
2014-07-28T03:53:10.114149+00:00 heroku[api]: Release v6 created by kalmanh@gmail.com
2014-07-28T03:53:16.157484+00:00 app[web.1]: [2014-07-28 03:53:16] INFO WEBrick 1.3.1
2014-07-28T03:53:16.157509+00:00 app[web.1]: [2014-07-28 03:53:16] INFO ruby 2.0.0 (2014-05-08) [x86_64-linux]
2014-07-28T03:53:16.158012+00:00 app[web.1]: [2014-07-28 03:53:16] INFO WEBrick::HTTPServer#start: pid=2 port=45878
2014-07-28T03:53:16.417135+00:00 heroku[web.1]: State changed from starting to up
2014-07-28T03:53:13.128968+00:00 heroku[web.1]: Starting process with command `bin/rails server -p 45878 -e production`
2014-07-28T03:53:22.239773+00:00 heroku[router]: at=info method=GET path="/" host=ireview-books.herokuapp.com request_id=a6e0c03d-924b-4930-9c9c-8aa69c73307c fwd="54.197.1.87" dyno=web.1 connect=1 service=109 status=302 bytes=417
2014-07-28T03:53:22.309737+00:00 heroku[router]: at=info method=GET path="/login" host=ireview-books.herokuapp.com request_id=d7569698-3a32-4562-bea3-a6390f651cbe fwd="54.197.1.87" dyno=web.1 connect=1 service=65 status=200 bytes=450
```