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

```ruby
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 ActiveModel has_secure_password
gem 'bcrypt', '~> 3.1.7'

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

BooksController

```ruby
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

```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

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 *1* 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 ActiveModel 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
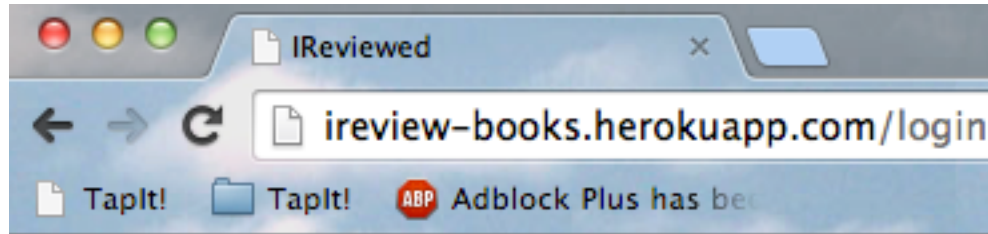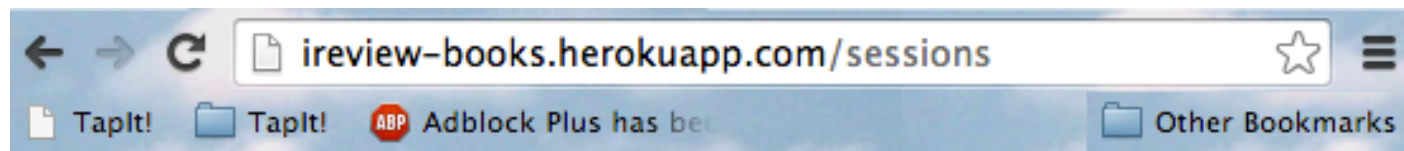
Wait for me…

- 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