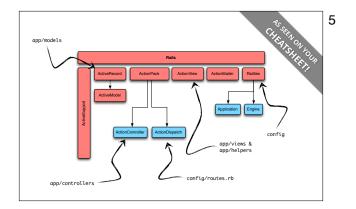


- Using the force source
- ActiveSupport
- ActiveRecord
- ActionPack
- Railties

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Using the force SOUFCE



\$ export EDITOR="subl -n"
\$ export EDITOR="vim"
\$ set EDITOR=start

\$ bundle open <GEM NAME>

Active Support

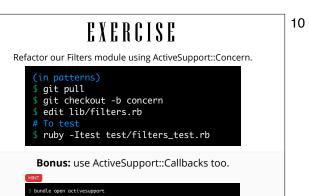
HOW TO BROWSE CODE

- 1. Start reading file.
- 2. Get overwhelmed.
- 3. Curse.
- 4. Claim you could do better (optional).
- 5. Back to step 1 or give up.

HOW TO BROWSE CODE

- 1. Take a deep breath.
- 2. Start with an assumption.
- 3. Follow the flow. (Don't read top to bottom.)
- 4. Don't try to understand everything.

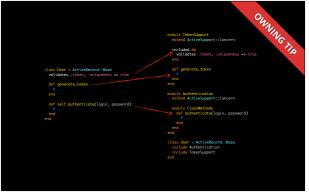
8



SAVE YOUR WORK

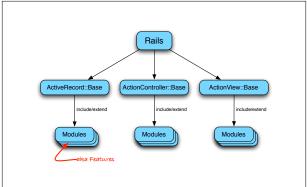
```
$ git add .
$ git commit -m "Refactoring filters w/ AS"
# Get my changes
$ git checkout master
$ git pull
```

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Baseics of browsing Rails code

14 class User < ActiveRecord::Base
...</pre> class ApplicationController < ActionController::Base</pre> <div class="user">
 <%= self.class.superclass %> == ActionView::Base



Active Record



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Where's the code? CHEATSTILLED

Model logic that requires DB access.	ActiveRecord	bundle open activerecord
Model logic that doesn't require DB access.	ActiveModel	bundle open activemodel

EXERCISE

Locate the validation code.

```
$ git clone git://github.com/owningrails/blog.git
$ cd blog
$ bundle open activerecord
$ bundle open activemodel
```

Bonus: add validation to our ActiveRecord implementation.

```
(in patterns)
§ git pull
§ git checkout -b validation
§ edit app/models/user.rb
§ ruby -Itest test/user_test.rb
```

```
closs ber < ActiveRecord:log
voltderes :nome, presence w true
col
fract
fract :nome, presence w true
col
fract
fract :nome :nome
one :nome :nome :nome
one :nome :nome :nome :nome
one :nome :
```

SAVE YOUR WORK

```
$ git add .
$ git commit -m "Implement validation"

# Get my changes
$ git checkout master
$ git pull
```

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class Invitation
include ActiveModel::Validations

attr_accessor :from, :to

validates_presence_of :from, :to

def initialize(from, to)
 @from = from
 @to = to
 end
 end
end

Action Dispatch

The magical path of a request in Rails

GET /users/new



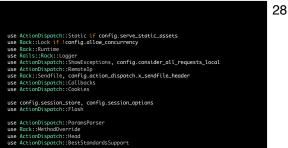
class UsersController < ApplicationController def new # Moha! How did you get here? end end



```
# This file is used by Rack-based servers to start the application.

require ::File.expand_path('../config/environment', __FILE__)
run Rails.application
```







run ActionDispatch::Routing::RouteSet.new

SAVE YOUR WORK

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\$ git add .
\$ git commit -m "Add custom middlewares"
Get my changes
\$ git checkout master
\$ git pull



Where's the code? CHEARSHARD

ode handling the processing & routing of a request	ActionDispatch	bundle open actionpack
Features you get access to inside your controllers	ActionController	bundle open actionpack
ontroller code not related to web	AbstractController	bundle open actionpack

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Action Controller

HOW TO FIND A METHOD

- ★1. Guess.
 - 2. Search "def render".
 - 3.method(:render).source_location

EXERCISE

Locate the method behind respond_with that replaces the default scaffolding code.

bundle open actionpack

Bonus: override the code behind respond_with to display flash messages after successful update and create.

- in blog) git pull bundle exec rake test:prepare \$ git checkout -b respond
 \$ ruby -Itest test/controllers/
 posts_controller_test.rb

SAVE YOUR WORK

git add . git commit -m "Override responder code" # Get my changes
\$ git checkout master git pull

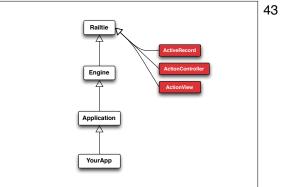
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Action View

```
module ActionView
module Helpers
include DateHelper
include FormHelper
include TaytHelper
include TaytHelper
include TextHelper
include UrlHelper
end
end
end
```

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Railties



Where's the code? CHARLES ON ACTIVE CODE? CH				
	ActiveRecord	bundle open activere		
Model logic that doesn't require DB access	ActiveModel	bundle open activemodel		
Code handling the processing & routing of a request	ActionDispatch	bundle open actionpack		
Features you get access to inside your controllers	ActionController	bundle open actionpack		
View and helpers code	ActionView	bundle open actionview		
Framework code, holding all the components together	Rails	bundle open railties		

