



Rails Girls

Gem management with Bundler

Hi, Rails Girls

I'm

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These slides are hosted at

<http://jeffreylee.org/railsgirls>

Gems

Code · Documentation · Gemspec

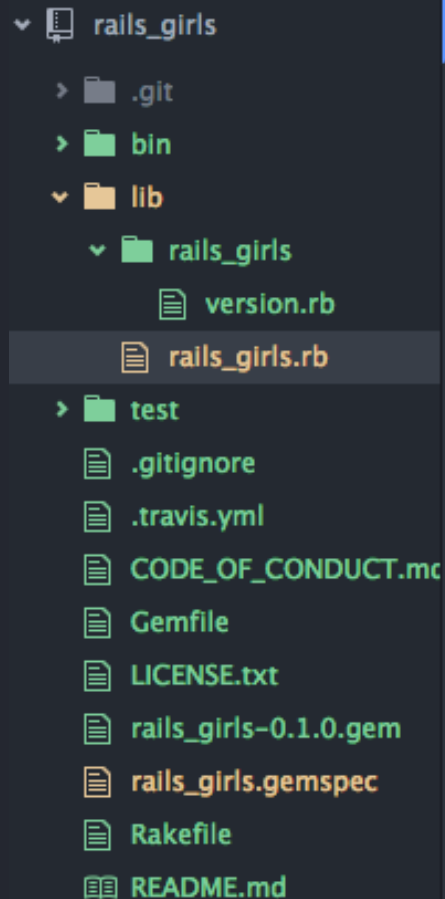
Bootstrapping a Gem

```
jlee@Jeffreys-iMac ~ % bundle gem rails_girls
Creating gem 'rails_girls'...
Do you want to include a code of conduct in gems you generate?
Codes of conduct can increase contributions to your project by contributors who prefer collaborative, safe spaces.
You can read more about the code of conduct at contributor-covenant.org. Having a code of conduct means agreeing
to the responsibility of enforcing it, so be sure that you are prepared to do that. For suggestions about how to e
nforce codes of conduct, see bit.ly/coc-enforcement. y/(n): y
Code of conduct enabled in config
Do you want to license your code permissively under the MIT license?
This means that any other developer or company will be legally allowed to use your code for free as long as they a
dmit you created it. You can read more about the MIT license at choosealicense.com/licenses/mit. y/(n): y
MIT License enabled in config
Do you want to generate tests with your gem?
Type 'rspec' or 'minitest' to generate those test files now and in the future. rspec/minitest/(none): minitest
create rails_girls/Gemfile
create rails_girls/.gitignore
create rails_girls/lib/rails_girls.rb
create rails_girls/lib/rails_girls/version.rb
create rails_girls/rails_girls.gemspec
create rails_girls/Rakefile
create rails_girls/README.md
create rails_girls/bin/console
create rails_girls/bin/setup
create rails_girls/CODE_OF_CONDUCT.md
create rails_girls/LICENSE.txt
create rails_girls/.travis.yml
create rails_girls/test/test_helper.rb
create rails_girls/test/rails_girls_test.rb
Initializing git repo in /Users/jlee/Code/rails_girls
```

```
1 # coding: utf-8
2 lib = File.expand_path('../lib', __FILE__)
3 $LOAD_PATH.unshift(lib) unless $LOAD_PATH.include?(lib)
4 require 'rails_girls/version'
5
6 Gem::Specification.new do |spec|
7   spec.name           = "rails_girls"
8   spec.version        = RailsGirls::VERSION
9   spec.authors        = ["Jeffrey Lee"]
10  spec.email           = ["jlee42@gmail.com"]
11
12  spec.summary         = %q{An example gem for Rails Girls.}
13  spec.description     = %q{This gem serves as an example of how to build and pulish a gem.}
14  spec.homepage        = "http://railsgirls.com"
15  spec.license         = "MIT"
16
17  spec.files           = `git ls-files -z`.split("\x0").reject { |f| f.match(%r{^(test|spec|features)/}) }
18  spec.bindir          = "exe"
19  spec.executables     = spec.files.grep(%r{^exe/}) { |f| File.basename(f) }
20  spec.require_paths   = ["lib"]
21
22  spec.add_development_dependency "bundler", "~> 1.10"
23  spec.add_development_dependency "rake", "~> 10.0"
24  spec.add_development_dependency "minitest", "~> 5.8"
25 end
```

Gemspec: A gem's profile

Code



```
rails_girls.rb
1  require "rails_girls/version"
2
3  module RailsGirls
4    def self.hello
5      puts "Hello Rails Girls!"
6    end
7  end
8
```

Build · Install · Run

```
jlee > Jeffreys-iMac > ~ > Code > rails_girls > master + % > gem build rails_girls.gemspec
```

```
Successfully built RubyGem
```

```
Name: rails_girls
```

```
Version: 0.1.0
```

```
File: rails_girls-0.1.0.gem
```

```
jlee > Jeffreys-iMac > ~ > Code > rails_girls > master + % > gem install ./rails_girls-0.1.0.gem
```

```
Successfully installed rails_girls-0.1.0
```

```
1 gem installed
```

```
jlee > Jeffreys-iMac > ~ > Code > rails_girls > master + % > irb
```

```
irb(main):001:0> require 'rails_girls'
```

```
=> true
```

```
irb(main):002:0> RailsGirls.hello
```

```
Hello Rails Girls!
```

Publish

```
jlee > Jeffreys-iMac > ~ > Code > rails_girls > master + % > gem push rails_girls-0.1.0.gem
```

Enter your RubyGems.org credentials.

Don't have an account yet? Create one at https://rubygems.org/sign_up

Email: jlee42@gmail.com

Password:

Signed in.

Pushing gem to <https://rubygems.org>...

Successfully registered gem: rails_girls (0.1.0)

```
jlee > Jeffreys-iMac > ~ > Code > rails_girls > master + % > gem list -r rails_girls
```

*** REMOTE GEMS ***

rails_girls (0.1.0)

Bundler

A Package Manager for Ruby

bundle

```
jlee > Jeffrey's-iMac > ~ > Code > rails_girls > master + > % > bundle
```

```
Fetching gem metadata from https://rubygems.org/.....
```

```
Fetching version metadata from https://rubygems.org/..
```

```
Resolving dependencies...
```

```
Installing rake 10.5.0
```

```
Using bundler 1.10.6
```

```
Installing minitest 5.8.4
```

```
Using rails_girls 0.1.0 from source at .
```

```
Bundle complete! 4 Gemfile dependencies, 4 gems now installed.
```

```
Use `bundle show [gemname]` to see where a bundled gem is installed.
```

```
jlee > Jeffrey's-iMac > ~ > Code > rails_girls > master + > % > cat Gemfile
```

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

```
# Specify your gem's dependencies in rails_girls.gemspec  
gemspec
```

Bundler + Rails

Adding a Gem

```
jlee > Jeffreys-iMac ~ Code % rails new rails_girls_app
...
jlee > Jeffreys-iMac ~ Code % cd rails_girls_app
jlee > Jeffreys-iMac ~ Code > rails_girls_app % echo "gem 'rails_girls', '~> 0.1.0'" >> Gemfile
jlee > Jeffreys-iMac ~ Code > rails_girls_app % tail -n1 Gemfile
gem 'rails_girls', '~> 0.1.0'
```

bundle

```
jlee > Jeffreys-iMac > ~ > Code > rails_girls_app > % > bundle
```

```
Fetching gem metadata from https://rubygems.org/.....
```

```
Fetching version metadata from https://rubygems.org/...
```

```
Fetching dependency metadata from https://rubygems.org/..
```

```
Resolving dependencies.....
```

```
Using rake 10.5.0
```

```
Using i18n 0.7.0
```

```
Using json 1.8.3
```

```
Using minitest 5.8.4
```

```
Using thread_safe 0.3.5
```

```
Using tzinfo 1.2.2
```

```
...
```

```
Using rails 4.2.5
```

```
Installing rails_girls 0.1.2
```

```
...
```

```
Bundle complete! 13 Gemfile dependencies, 55 gems now installed.
```

```
Use `bundle show [gemname]` to see where a bundled gem is installed.
```

bundle update

```
jlee > Jeffreys-iMac > ~ > Code > rails_girls_app > % > bundle update rails_girls
Fetching gem metadata from https://rubygems.org/.....
Fetching version metadata from https://rubygems.org/...
Fetching dependency metadata from https://rubygems.org/..
Resolving dependencies.....
Using rake 10.5.0
Using i18n 0.7.0
Using json 1.8.3
Using minitest 5.8.4
Using thread_safe 0.3.5
Using tzinfo 1.2.2
...
Using rails 4.2.5
Using rails_girls 0.1.2 (was 0.1.0)
...
Bundle updated!
```