

# Rails Bootcamp Cheatsheet v1.2

## Rails Conventions

|            | name                      | file   |
|------------|---------------------------|--|
| table      | posts                     | db/schema.rb   |
| model      | Post                      | app/models/post.rb   |
| controller | PostsController           | app/controllers/posts_controller.rb                        |
| views      | index, show, new, edit... | app/views/index.html.erb<br>app/views/show.html.erb<br>... |
| helpers    | PostsHelper               | app/helpers/posts_helper.rb                                |

## Scripts

|  |                                   |
|--|-----------------------------------|
| <b>rails server</b><br>start a server  | <b>rails help</b><br>your options |
| <b>rails console</b><br>start an interactive console   |                                   |
| <b>rails generate scaffold</b> Post title:string content:text<br>generate controller & model w/ methods to CRUD a post |                                   |
| <b>rails generate model</b> Quote content:text author:string<br>generate the quote model and a migration for it        |                                   |
| <b>rails generate resource</b> List<br>generate an empty controller w/ routes  |                                   |
| <b>rails generate migration</b> add_author_to_posts<br>generate a migration file with the name                         |                                   |

## GIT

|        | command                    | what it does                                     |
|--------|----------------------------|--|
| remote | git clone <url>            | downloads a copy of a remote repo                |
|        | git push [remote] [branch] | pushes changes from a local repo to a remote one |
|        | git pull [remote] [branch] | pulls changes from a remote repo to a local one  |
| local  | git init                   | creates a local git repo                         |
|        | git status                 | see changed files on local filesystem            |
|        | git add .                  | stage file locally get them ready to commit      |
|        | git commit -m "..."        | commit to local filesystem                       |

## Resources

[http://guides.rubyonrails.org/getting\\_started.html](http://guides.rubyonrails.org/getting_started.html)  
super clear awesome getting started stuff

<http://apidock.com>  
documentation on every rails / ruby method / class

<http://pragprog.com/titles/rails3>  
THE book on rails

<http://railscasts.com/>  
free rails screencasts

<http://peepcode.com/>  
rails screencasts

## Rake

**rake**  
run tests

**rake db:migrate**  
migrate your database (& create)

**rake db:test:prepare**  
migrate your database (& create)

**rake db:drop**  
delete local database

**rake routes**  
show installed routes

**rake -T**  
show available tasks

## Model Methods

|        |   |  |
|--------|---|--|
| create | post = Post.new :title => 'Hello', :author => 'me'  | create a post, with title & author (no save)                                       |
|        | post = Post.create :title => 'Hello', :author => 'me'<br>post = Post.create! :title => 'Hello', :author => 'me' | create & save a post with title & author (create! will raise an exception on fail) |
| read   | post = Post.find(55)  | find post w/ id 55   |
|        | posts = Post.find(:all, :conditions => ["author = ?", 'me'])  | find all posts with author == 'me'   |
|        | posts = Post.find(:all)   | find all posts   |
| update | post.author = 'you'   | set the author for a post  |
|        | post.save<br>post.save!   | save a post (save! will raise an exception on fail)                                |
| delete | post.destroy  | destroy post from db   |

class Post < ActiveRecord::Base  
has\_many :comments

class Comment < ActiveRecord::Base  
belongs\_to :post



|        |   |   |
|--------|---|---|
| create | comment = post.comments.build :name => "joe"  | create a comment attached to a post w/ name joe (no save) |
|        | comment = post.comments.create :name => "joe"<br>comment = post.comments.create! :name => "joe" | create & save a comment attached to a post                |
| read   | comments = post.comments  | find all comments attached to a post                      |
|        | comments = post.comments.find(...)  | works just like regular find                              |
|        | post = comment.post   | find post attached to comment                             |

## Routes (in config/routes.rb)

"resources :quotes"

|        | method | path              | controller       | action  | params   | named route            |
|--------|--------|-------------------|------------------|---------|--|------------------------|
| create | GET    | /quotes/new       | QuotesController | new     |  | new_quote_path         |
|        | POST   | /quotes           | QuotesController | create  | :quote => {:text => "...", :author => "..."}                 | quotes_path            |
| read   | GET    | /quotes           | QuotesController | index   |  | quotes_path            |
|        | GET    | /quotes/<id>      | QuotesController | show    | :id => <id>  | quote_path(quote)      |
| update | GET    | /quotes/<id>/edit | QuotesController | edit    | :id => <id>  | edit_quote_path(quote) |
|        | PUT    | /quotes/<id>      | QuotesController | update  | :id => <id>,<br>:quote => {:text => "...", :author => "..."} | quote_path(quote)      |
| delete | DELETE | /quotes/<id>      | QuotesController | destroy | :id => <id>  | quote_path(quote)      |

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