

A photograph of a person with dark hair, wearing a green hoodie, sitting at a desk in a design studio. They are facing away from the camera, looking at a computer monitor. The studio walls are covered in various design-related posters, mood boards, and color swatches. A potted plant sits on the desk to the left, and another one is visible on the right. The overall atmosphere is creative and professional.

By Higher Pixels

Rails for Designers

Tick

Straightforward time tracking software to help your team run more profitable projects.

StreamCare

Aligning Physicians, Pharmacies, Insurance Providers, and Patients to deliver better results.

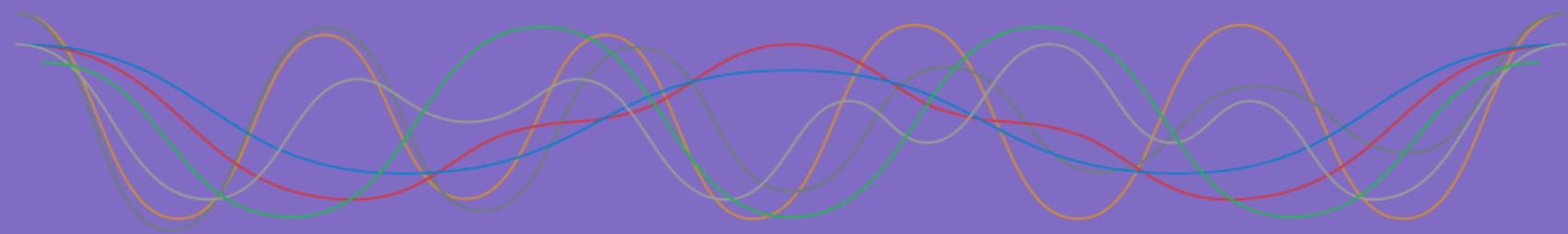
Learn How to Podcast with Buzzsprout

Buzzsprout

The easiest way to host, promote, and track your podcast.

Donor Tools

Nonprofit donor database to help organizations make smart decisions and raise more money.



Signal v. Noise

Strong opinions and shared thoughts on design, business, and tech. By the makers (and friends) of Basecamp. Since 1999.



Basecamp

Goals

DREAM



Ruby on Rails



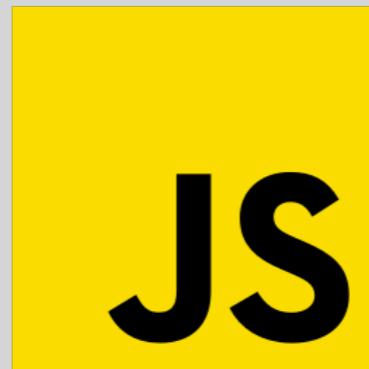
<https://guides.rubyonrails.org/>

Languages

HTML



CSS



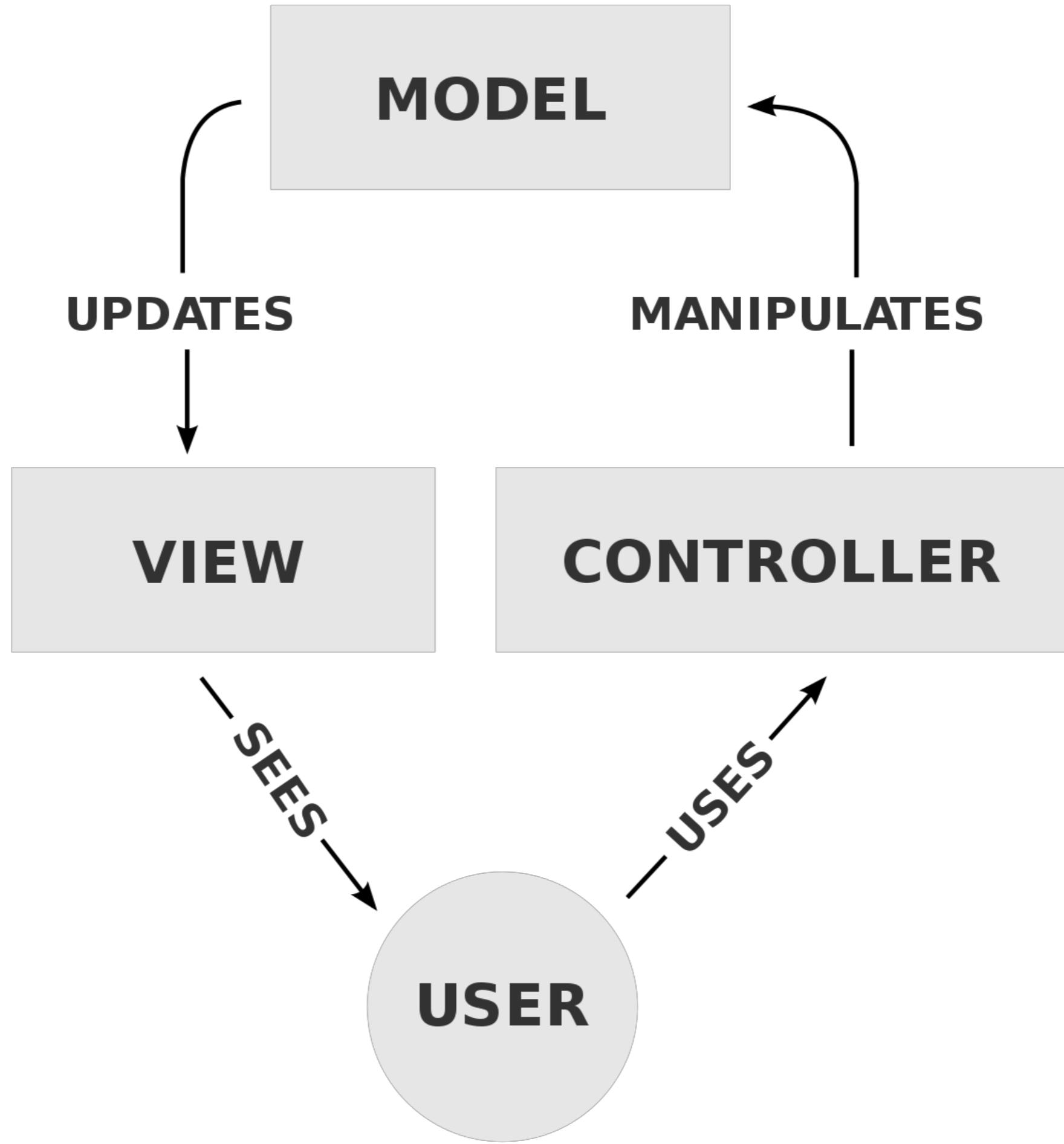
CoffeeScript

The Rails Doctrine

1. Optimize for programmer happiness
2. Convention over Configuration
3. The menu is omakase
4. No one paradigm
5. Exalt beautiful code
6. Provide sharp knives
7. Value integrated systems
8. Progress over stability
9. Push up a big tent

<https://rubyonrails.org/doctrine/>

MVC



REST

HTTP Verb	Path	Controller#Action	Used for
GET	/photos	photos#index	display a list of all photos
GET	/photos/new	photos#new	return an HTML form for creating a new photo
POST	/photos	photos#create	create a new photo
GET	/photos/:id	photos#show	display a specific photo
GET	/photos/:id/edit	photos#edit	return an HTML form for editing a photo
PATCH/PUT	/photos/:id	photos#update	update a specific photo
DELETE	/photos/:id	photos#destroy	delete a specific photo

✓  rails_for_designers

- >  .git
- >  app
- >  bin
- >  config
- >  db
- >  lib
- >  log
- >  public
- >  storage
- >  test
- >  tmp
- >  vendor
-  .gitignore
-  .ruby-version
-  config.ru
-  Gemfile
-  Gemfile.lock
-  package.json
-  Rakefile

/rails new rails_for_designers

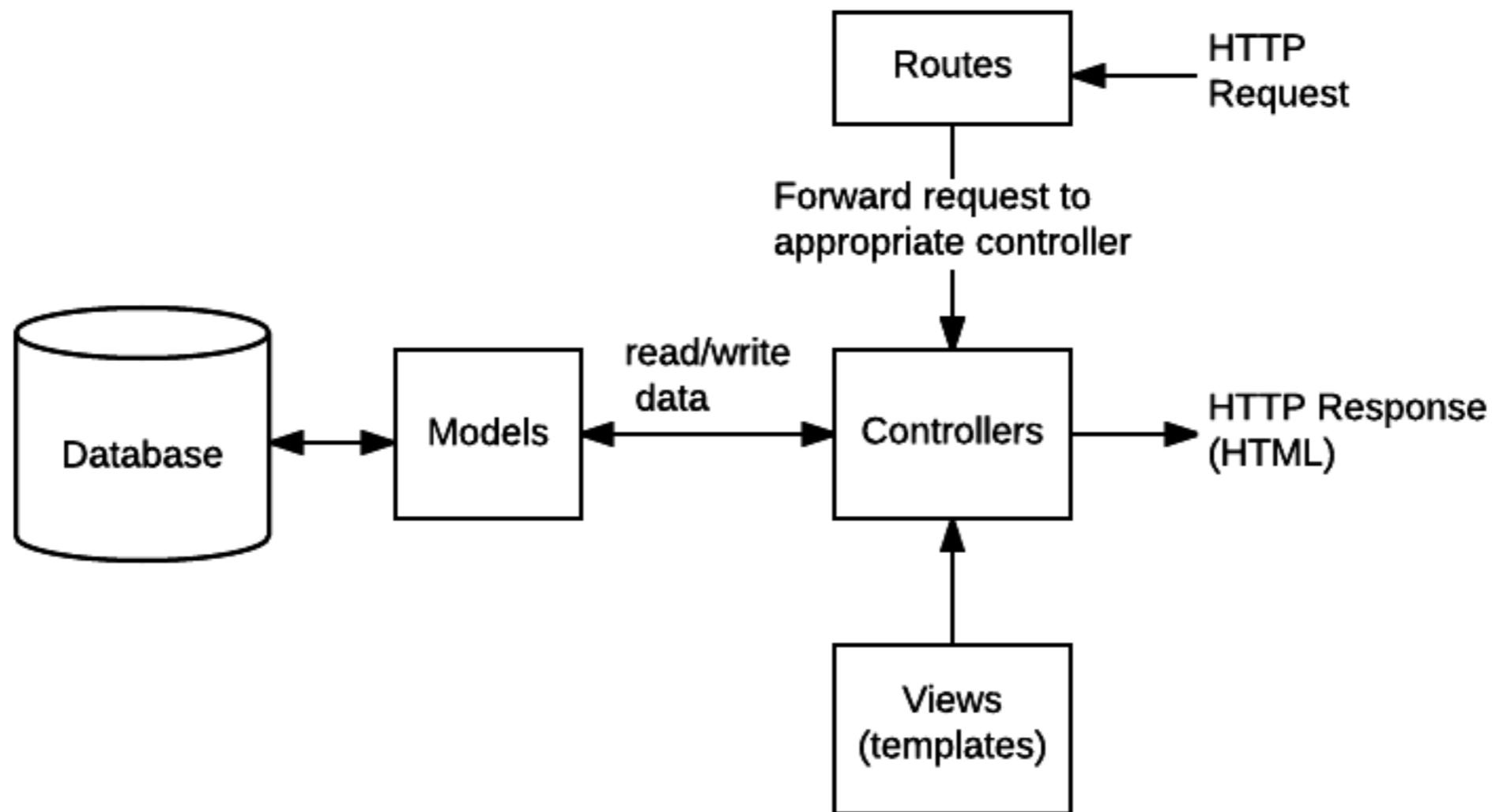
Rails Folders

File/Folder	Purpose
app/	Contains the controllers, models, views, helpers, mailers, channels, jobs and assets for your application. You'll focus on this folder for the remainder of this guide.
config/	Configure your application's routes, database, and more. This is covered in more detail in Configuring Rails Applications .
db/	Contains your current database schema, as well as the database migrations.
Gemfile Gemfile.lock	These files allow you to specify what gem dependencies are needed for your Rails application. These files are used by the Bundler gem. For more information about Bundler, see the Bundler website .
lib/	Extended modules for your application.
log/	Application log files.
public/	The only folder seen by the world as-is. Contains static files and compiled assets.
test/	Unit tests, fixtures, and other test apparatus. These are covered in Testing Rails Applications .
vendor/	A place for all third-party code. In a typical Rails application this includes vendored gems.

App Folder

- ✓  app
 - ✓  assets
 - >  config
 - >  images
 - >  javascripts
 - >  stylesheets
 - >  channels
 - >  controllers
 - >  helpers
 - >  jobs
 - >  mailers
 - >  models
 - >  views

Request Lifecycle



Routes File

```
✓ └ config
    > └ environments
    > └ initializers
    > └ locales
        └ application.rb
        └ boot.rb
        └ cable.yml
        └ credentials.yml.enc
        └ database.yml
        └ environment.rb
        └ master.key
        └ puma.rb
    └ routes.rb
    └ spring.rb
    └ storage.yml
```

Routes File

routes.rb — ~/sites/rails_for_designers

routes.rb •

```
1 Rails.application.routes.draw do
2   # For details on the DSL available within this file, see http://guides.rubyonr
3
4   resources :mentors, only: [:show, :create, :update, :index, :destroy] do
5     collection do
6       get :admins
7     end
8   end
9
10  get 'terms', to: 'welcome#terms'
11
12  root 'mentors#index'
13
14
```

/rake routes

```
john@Mac:~/sites/rails_for_designers (master)$ rake routes
      Prefix Verb     URI Pattern          Controller#Action
admins_mentors GET     /mentors/admins(.:format) mentors#admins
                GET     /mentors(.:format)       mentors#index
                POST    /mentors(.:format)       mentors#create
new_mentor     GET     /mentors/new(.:format)  mentors#new
mentor         GET     /mentors/:id(.:format)  mentors#show
                PATCH   /mentors/:id(.:format)  mentors#update
                PUT     /mentors/:id(.:format)  mentors#update
                DELETE  /mentors/:id(.:format)  mentors#destroy
terms          GET     /terms(.:format)        welcome#terms
root           GET     /                         mentors#index
```

Controller File

```
✓ └─ app
    ✓ └─ assets
        > └─ config
        > └─ images
        > └─ javascripts
        > └─ stylesheets
    > └─ channels
    ✓ └─ controllers
        > └─ concerns
        ┌── application_controller.rb
        └── mentors_controller.rb
    > └─ helpers
    > └─ jobs
    > └─ mailers
    > └─ models
    > └─ views
```

Example Controller File

mentors_controller.rb — ~/sites/rails_for_designers

mentors_controller.rb

```
1 class MentorsController < ApplicationController
2
3   # GET /mentors
4   # GET /mentors.json
5   def index
6     @mentors = ['Dave', 'Ben', 'Sarah']
7   end
8
9   # GET /mentors/1
10  # GET /mentors/1.json
11  def show
12  end
13
14  # GET /mentors/new
15  def new
16    @mentor = Mentor.new
17  end
18
```

Project	mentors_controller.rb	index.html.erb
rails_for_designers	<pre>1 class MentorsController < ApplicationController 2 3 # GET /mentors 4 # GET /mentors.json 5 def index 6 @mentors = ['Dave', 'Ben', 'Sarah'] 7 end 8 9 # GET /mentors/1 10 # GET /mentors/1.json 11 def show 12 end 13 14 # GET /mentors/new 15 def new 16 @mentor = Mentor.new 17 end 18 19 # GET /mentors/1/edit 20 def edit 21 end 22 23 # POST /mentors 24 # POST /mentors.json 25 def create 26 @mentor = mentor_params[:name] 27 render "show.js.coffee" 28 end 29</pre>	<pre>index.html.erb</pre>

Resources

Rails for designers cheat sheet

<https://gist.github.com/johnlpollard>

Rails for designers example app

<https://rails-for-designers.herokuapp.com/>

Rails for designers example app code

https://github.com/johnlpollard/rails_for_designers



Do It Yourself
