

Ruby On Rails

Starter Kit.



What is Rails?

Web development framework

Rails is Not

Rails is Not

A Database

Rails is Not

A Database

A Web Server

Convention Over Configuration

Anatomy of a Rails Application

- /app
- /config
- config.rb
- /db
- /doc
- Gemfile
- /lib
- /log
- /public
- Rakefile
- README
- /script
- /test
- /tmp
- /vendor

app

Application files

Assets

Controllers

Helpers

Mailers

Models

Views

config

Application configuration

Environment

Initializers

Locales

db

Database set up files

Migrations

schema.rb

seeds.rb

doc

Application documentation

Gemfile

Application dependencies via rubygems

lib

Miscellaneous helper libraries

Rake tasks

log

Application log files

development

test

production

public

Files to be served directly by your web server

images

javascript

stylesheets

script

small ruby programs that make life easier

test

Application testing code

Fixtures

Functional

Integration

Performance

Unit

tmp

Temporary files

cache

pids

sessions

sockets

vendor

Third party code

assets

plugins

REST

REST

Representational State Transfer

REST

Use HTTP methods as Verbs to define an interface for a resource

REST

POST

GET

PUT

DELETE

REST

POST - Create

GET - Read

PUT - Update

DELETE - Delete

REST - Create

POST verb

/todos (create action)

todos_path

REST - Read

GET verb

/todos (index action)

todos_path

REST - Read

GET verb

/todos/1 (show action)

todo_path(id)

REST - Read

GET verb

/todos/new (new action)

new_todo_path

REST - Read

GET verb

/todos/(id)/edit (edit action)

edit_todo_path

REST - Update

PUT verb

/todos/(id) (update action)

todo_path(id)

REST - Delete

DELETE verb

/todos/(id) (destroy action)

todo_path(id)

Faking It

Web browsers don't support PUT and DELETE verbs

We fake them using the _method parameter and a
POST request

Rails is Powerful

Rails is Powerful

Mission:

Build an Application that can perform CRUD operations, with validations and associations.

Rails is Powerful

Our Implementation:

A simple To-Do list.