



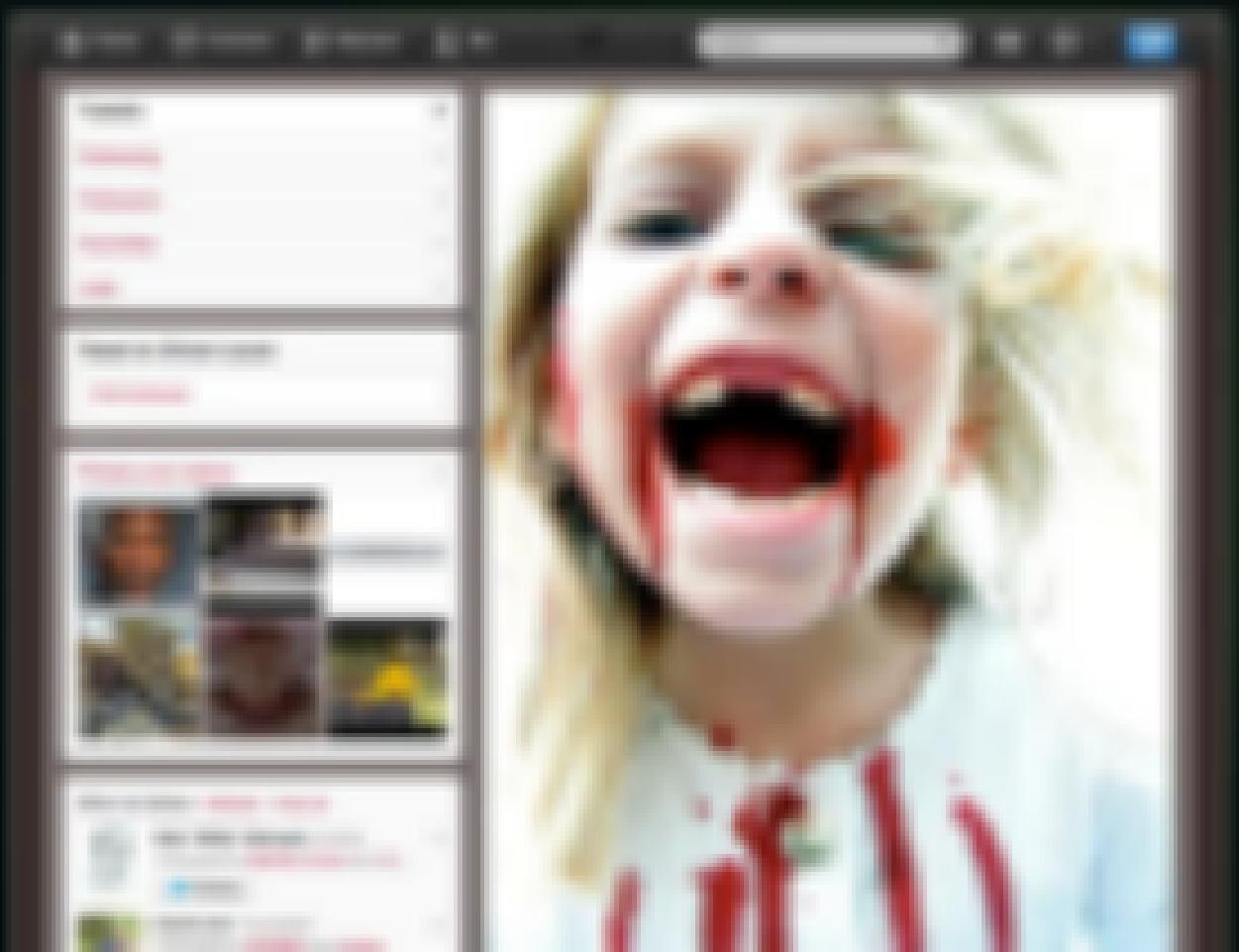
DEEP IN THE CRUD

LEVEL 1



Prerequisites:

TRYRUBY.ORG



ANSWER
THE RUMBLE

BY DAVE

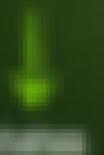
Column

Events

Event
source

{

Event	Time	Value
Event 1	10:00	100
Event 2	10:05	200
Event 3	10:10	300
Event 4	10:15	400
Event 5	10:20	500
Event 6	10:25	600
Event 7	10:30	700
Event 8	10:35	800
Event 9	10:40	900
Event 10	10:45	1000



Zombie Challenge #1

Retrieve the last object with $W = 5$

Hash form of key-value pairs

Single key & value

key = value

Multiple keys & values

key = value

multiple keys & values can be stored in a single object.

multiple values



multiple values in a single object



High Score of log when open

logs	values
10	1
100	"I just ate some delicious bread."
1000	"Yum"

Logs: 10
Values: "I just ate some delicious bread."
Buttons: "Yum"

High priority

Report

1 of 1 high

1 minute ago
1 minute ago

"I just got home and by house burglar."

Reported

1 minute ago

"I just got home and by house burglar"

1 minute ago

Reported

1 minute ago

"I just got home and by house burglar"

1 minute ago

"I just got home and by house burglar"



and 1 more report 1 day ago



Zombie Challenge #1

Battling the first object with $\text{W} = 5$

Result

Player	Score
Michael	0 just ate some delicious brains!
Andy	0

Results

Player	Score
Michael	0 just ate some delicious brains!
Andy	0
Michael	0 just ate some delicious brains!
Andy	0

Report

Zombie Challenge #1

Battling the first object with $\text{W} = 5$

Answer

g = 9.81 m/s²

Brute

```
def f(x):
    g = 9.81
    v0 = 10
    theta = 45
    t = 0.1
    for i in range(1000):
        x0 = v0 * math.cos(theta) * i * t
        y0 = v0 * math.sin(theta) * i * t - 0.5 * g * (i * t) ** 2
        print(x0, y0)
```

ANSWER

Accessing tables

Results: [View raw XML](#)

id	name	age	gender
1	John	25	M
2	Jane	28	F
3	Mike	32	M
4	Sarah	29	F

will allow you to access

Answer

[View raw XML](#)

Results

Report

Test Case ID	Description	Status
TC-001	Unit Test for Function A	Pending
TC-002	Integration Test for System B	Passed
TC-003	Performance Test for API	Running

File Edit View Insert Tools Help

path: / [New]

...

path: / [Edit]

File Edit View Insert Tools Help

path: / [Edit]

...

AI Remote System

SWAY

port 1 [red]	port 1 red	¶
port 2 [green]	port 2 green	¶
port 3 [blue]	port 3 blue	¶
port 4 [orange]	port 4 orange	¶

High Priority
STRIKE

Cancel Save Abort | New File Undo Redo Cut Copy Paste

Save as Default Open Recent In-Panel Preferences

Zombie Challenge #2

Battling the Warden object with $b = 1$

Answer

• • Player, Head(3)

Wardens

Warden	Health
1	100
2	100
3	100

Best 1
Time

Create

1. Name:
2. Lastname:
3. Address:

Update

1. Name:
2. Lastname:
3. Address:

Read

Name:
Lastname:

Delete

Name:
Lastname:

Open

Create a zombie

CREATE



Logs

- 0 → [Normal Logs](#)
- 0 → [Maintenance Logs](#)
- 0 → [Logs in editor](#)
- 0 → [Logs](#)

Log file location:

File type and format:



Normal Logs

- 0 → [Normal Logs](#)

File type: [Text file](#)

Format: [Plain text](#)

File name:



Normal Log output file name: [NormalLogs.txt](#)

- 0 → [Maintenance Logs \(Normal\)](#)

File type:

Format:

Maintenance Log output file name: [MaintenanceLogsNormal.txt](#)

Read

Read

Team_Picks

as `Retrieving a single or several picks from a team`

Team_Picks(\$, \$, \$)

as `Retrieves an array of teams,挑出 $1, $2, $3 或 $4`

Team_Plays

as `Retrieving the Plays of a team`

Team_Play

as `Retrieves the last play`

Team_Plays

as `Retrieves all the plays`

Recipes to Read

READ

General

- » [Building a simple search API endpoint](#)

Frontend (React)

- » [Return all records, ordered by creation](#)

Backend (MongoDB)

- » [Building the Frontend API](#)

Frontend (Angular / Vue)

- » [Return all records from another user's API](#)

What common part does each endpoint have in common?

Method Chaining

Method Chaining

```
User interface = new JButton("Hello")  
    .setActionCommand("Hello")  
    .addActionListener(listener);
```

```
...  
    .setFocusPainted(true)  
    .setFocusUnderline(true)  
    .setHorizontalTextPosition(CENTER)  
    .setVerticalTextPosition(BOTTOM)  
    .setMargin(new Insets(5, 5, 5, 5))  
    .setBorder(BorderFactory.createCompoundBorder(  
        BorderFactory.createTitledBorder("Hello"),  
        BorderFactory.createEmptyBorder(5, 5, 5, 5)))  
    .setForeground(Color.BLUE);
```

```
User interface = new JButton("Hello")  
    .setActionCommand("Hello")  
    .addActionListener(listener);
```

```
...  
    .setFocusPainted(true)  
    .setFocusUnderline(true)  
    .setHorizontalTextPosition(CENTER)  
    .setVerticalTextPosition(BOTTOM)  
    .setMargin(new Insets(5, 5, 5, 5))  
    .setBorder(BorderFactory.createCompoundBorder(  
        BorderFactory.createTitledBorder("Hello"),  
        BorderFactory.createEmptyBorder(5, 5, 5, 5)))  
    .setForeground(Color.BLUE);
```

Update & Zombie

CHEAT

• Human, Friend

• Undead • Vampiric Undead
• Lycan

X Corp

• Human, Friend
• Undead • Vampiric Undead
• Lycan



Werewolf

• Human, Friend

• Undead • Vampiric Undead
• Werewolf • Vampiric Werewolf
• Lycan

• Human, Friend
• Undead • Vampiric Undead
• Werewolf • Vampiric Werewolf
• Lycan



Werewolf, Friend

• Lycan

• Undead • Vampiric Undead
• Werewolf • Vampiric Werewolf

• Human, Friend
• Undead • Vampiric Undead
• Werewolf • Vampiric Werewolf

HELP

Delete a zombie



close

↳ **base, float[1]**
destroy

↳ **Table, float[1]**
destroy



base

↳ **base, float[1]** destroy

↳ **Table, float[1]** destroy



↳ **base, destroy_all**

↳ **Table, destroy_all**

ZOMBIE LAB 1

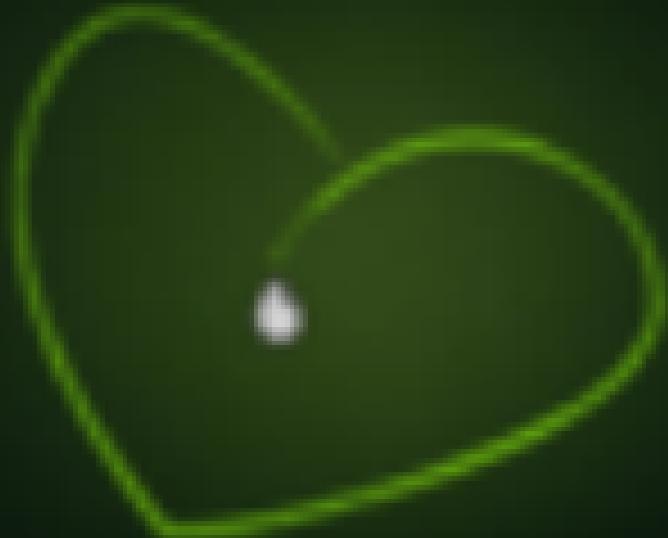


MODELS LIFEBLOOD OF THE APP

LEVEL 2



Lifeblood
the way back gathers momentum with a new name



The **Lifeblood** of the application



Application Stack

Output



WORLD

1. [Facebook](#)

2. [Twitter](#)

3. [LinkedIn](#) - [My LinkedIn Profile](#)

4. [YouTube](#)

5. [Blog](#)

6. [Email](#)

7. [More sites I get in paid from the](#)

8. [My Facebook fan page blog, that I](#)

9. [I just write some article from](#)

10. [and my blogspot blog post](#)

Item

Inventory

Class: **None** | **Attack Damage: None**

Gold

Buy the item by the bank

Bank

Item	Description	Count
1	Worn out Light gray shirt	1
2	My favorite long-sleeved shirt. I	1
3	I just won some clothing	1
4	Some old tattered pants	1

myAvatarPanel

click [] → Add Hovering Effect

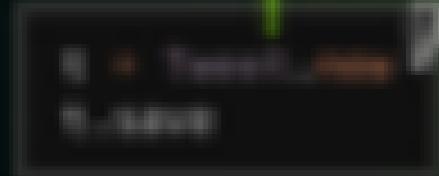


→ Click at least 50 → Hover Effect []

Condition	Action
I want you to get a good score in	Score
I try to win the racing, but I	Score
I just win some driving	Score
After, my trigger function	Score

Validations

Validation	Description	Action
1. Where can I get a good book to help me learn programming?	Ask	
2. My favorite programming tool is	Ask	
3. I just got some new software	Ask	
4. Can you recommend a good	Ask	
5.	Ask	



Ask me how easy it really is to do this!

REPORTING

Reporting

Click **New** to add a new reporting rule
and choose your reporting method:
None

Reporting

Reporting to self, others or public

Self

Report

Others

Post status (Pending for blurring)

Post status (Pending)

Post's for blurring

RUNNING

System

System

configuration monitor process tree

configuration monitor logon (Windows 7)



System Configuration

configuration monitor

process tree

logon (Windows 7)

process tree

configuration monitor

configuration monitor

logon (Windows 7, network share)

logon (Windows 7)

configuration monitor

configuration monitor



configuration monitor

RELATIONSHIPS

Because they always travel in packs

Answers

Topic	Question	Answer
1	What does it mean to you to have the moon?	It means
2	My family were the astronauts, that's a dream.	It means
3	I just want people to live on Mars.	It means
4	Well, my favorite scientist is... well, you know.	It means

 Please answer questions in full sentences!

Results

- [x] Please note all your thoughts from the model.
- [] My tasks will be following, but I don't know.
- [] I just now receive previous response.
- [x] In English I need more time.

Response	Count
[x]	2
[]	2
[]	1
[x]	2

RESULTS

Results

Rank	Player	Score
1	John Doe	1000
2	Bob Smith	950
3	Mike Johnson	900
4	Jane Doe	850

Rank	Player	Score
1	John Doe	1000
2	Bob Smith	950
3	Jane Doe	850

RESULTS

RELATIONSHIP

Relationship
with
HUMAN

id	name	parent
1	John Doe	None
2	Sarah Smith	John Doe
3	David Smith	John Doe

Relationship

id	name	parent
1	John Doe	None
2	Sarah Smith	John Doe

id	name	parent
1	John Doe	None
2	Sarah Smith	John Doe
3	David Smith	John Doe
4	Emily Johnson	None
5	Michael Johnson	Emily Johnson
6	Alexander Johnson	Emily Johnson

Results

- [x] Please note all your thoughts from the model
- [x] My tasks will be following, But I didn't
- [x] Just you need to follow logic.
- [x] In my English lesson you can see

Index	Value
0	
1	
2	
3	

RESULTS

Final
RESULTS

My answer

When I ask a question about

Something like

1

Results

Index	Value
0	When I ask a question about
1	Something like
2	My answer

Using Relationships

Relationship

Relationship	Description	Priority
1	My wife will give birth to our first child.	1
2	My wife will be returning home to America.	2
3	My son will start his first day of school.	3
4	My dog will have her first litter.	4



Relationship	Description	Priority
1	My wife will give birth to our first child.	1
2	My wife will be returning home to America.	2
3	My son will start his first day of school.	3

Using Relationships

Relationships

• 1. `parent`

• 1.1. `parent` has 3, `children`. These are the `children` from `Tree` because `T`,
`children`, `children` (3)

• 1. `children`

• 1.1. `children` has 3, `children`
 `parent`: `Tree`
 `grandchildren`: `Tree` `Tree` `Tree` `Tree` `Tree`

• 1. `children` `value`

• 1.1. `value`

ZOMBIE LAB 2



**VIEW
VISUAL REPRESENTATION
LEVEL 3**

View

Our services What we can

View



The Visual Representation
of the application



Application Stack

View



The Acting Bodies

Embedded Ruby

Show a tweet

Search for a tweet or user

Search for a tweet

Search

Search for a tweet or user

Search

Search for a tweet

Search

Search for a tweet

Search for a tweet

Search for a tweet

Search

Search



Twitter logo icon

Show a tweet

Search for a tweet or user

Search for a tweet

User

Search for a user or user ID. You can also search for a Twitter profile handle directly.

Search for a user or user ID



Twitter logo icon



Showing 1/1

Showing 1/1

Showing 1/1

Showing 1/1

Showing 1/1



Show a tweet

by [@johndoe](#) on [2012-01-01](#)

It's a new year!

Time to

start a new hobby like [jogging](#) or [yoga](#).

Time to

start a new hobby like [jogging](#) or [yoga](#).

It's a new year!
It's a new year!

- [Jogging](#)
- [Yoga](#)
- [Hiking](#)
- [Swimming](#)

by [@johndoe](#) on [2012-01-01](#)

It's a new year!

It's a new year!

It's a new year!

Show a tweet

Search for a tweet by user or ID

From: [@TwitterDev](#) (@TwitterDev) 10

Follow [@TwitterDev](#), a Twitter developer account.

Retweeted by [@TwitterDev](#) - [read more](#) 1 reply 1 retweet 1 like

Search for a tweet

From: [@TwitterDev](#) (@TwitterDev) 10



Follow @TwitterDev

From: [@TwitterDev](#) (@TwitterDev) 10

Follow @TwitterDev
Start a reply



Follow @TwitterDev

From: [@TwitterDev](#) (@TwitterDev) 10

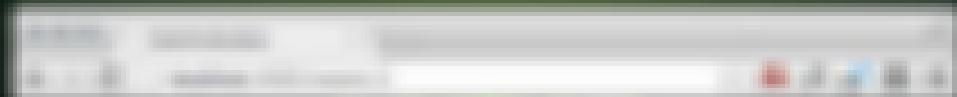
Show a tweet

Replies (1) Retweets (0) Likes (0)

 [Tweety](#) in [Chicago, Illinois](#) says

 [John](#) [Follow](#), [Mention](#) [Reply](#)

My dog just ate my [laptop](#) and now it's [smelling](#) like dog.



Where can I get a good take to eat?

Posted by 

Show a ticket

Search tickets by number or subject

1	Ticket #	1234567890	Submit
2	Other	Customer Support	Submit
3	Assigned to	John Doe	Submit
4	Created by	John Doe	Submit
5	Subject	Customer Support	Submit
6	Priority	High	Submit
7	Category	Customer Support	Submit
8	Owner	John Doe	Submit
9	Due date	2024-01-01	Submit
10	Due time	14:00	Submit



Customer Support
Customer Support

Looking up Documentation

Options for link_to

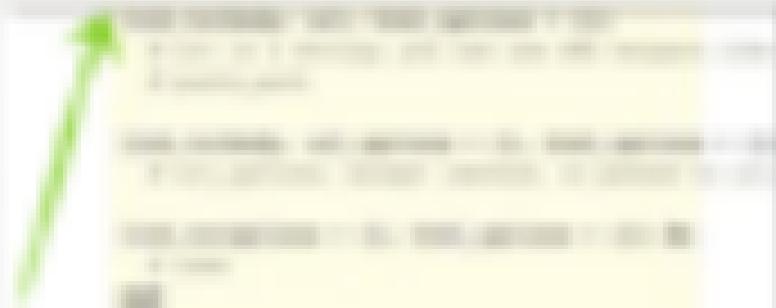
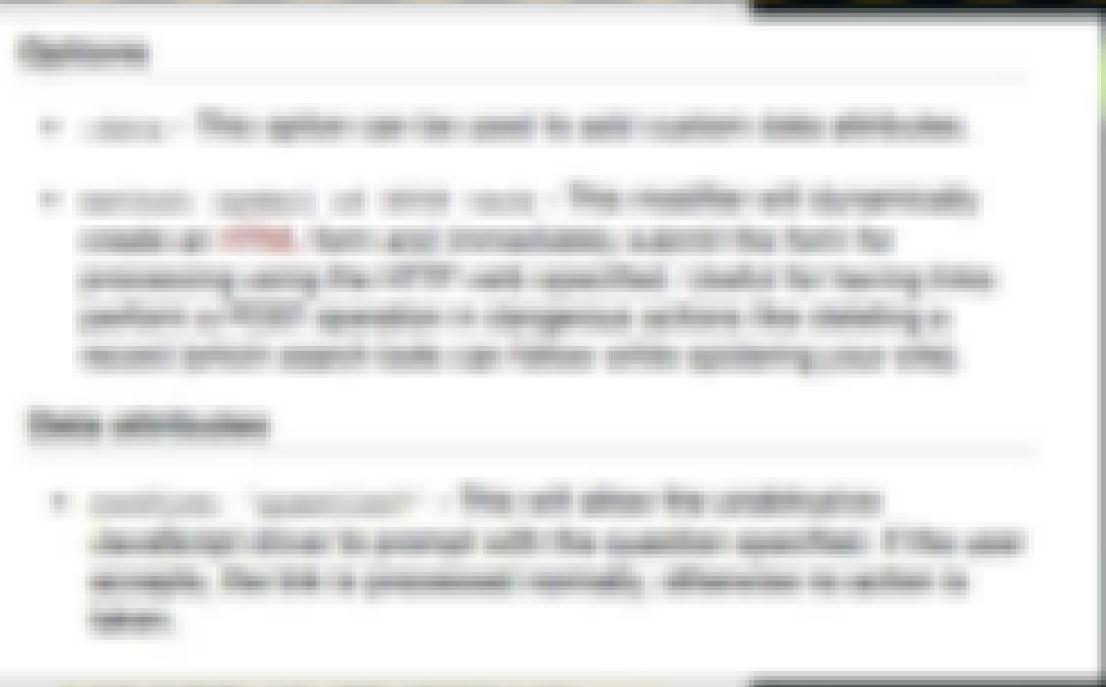
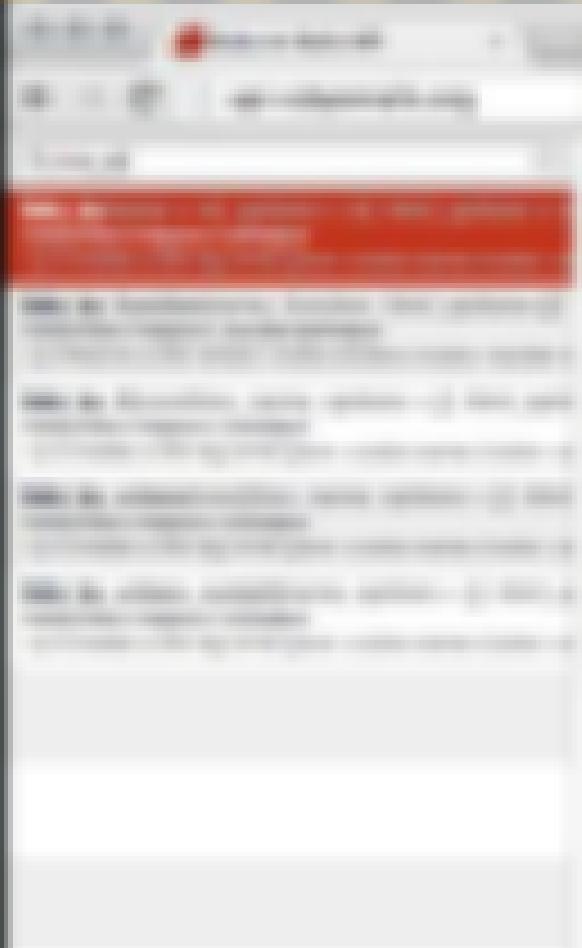
1. Look in the source

source: link_to

```
git clone https://github.com/rails/rails.git  
cd rails  
grep -r "link_to"
```

Options for link_to

1. Look in the source
[link_to source](#)
2. Look at <http://api.rubyonrails.org/>

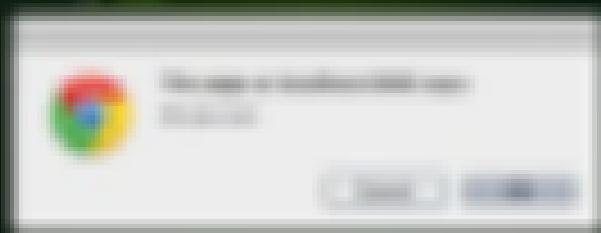


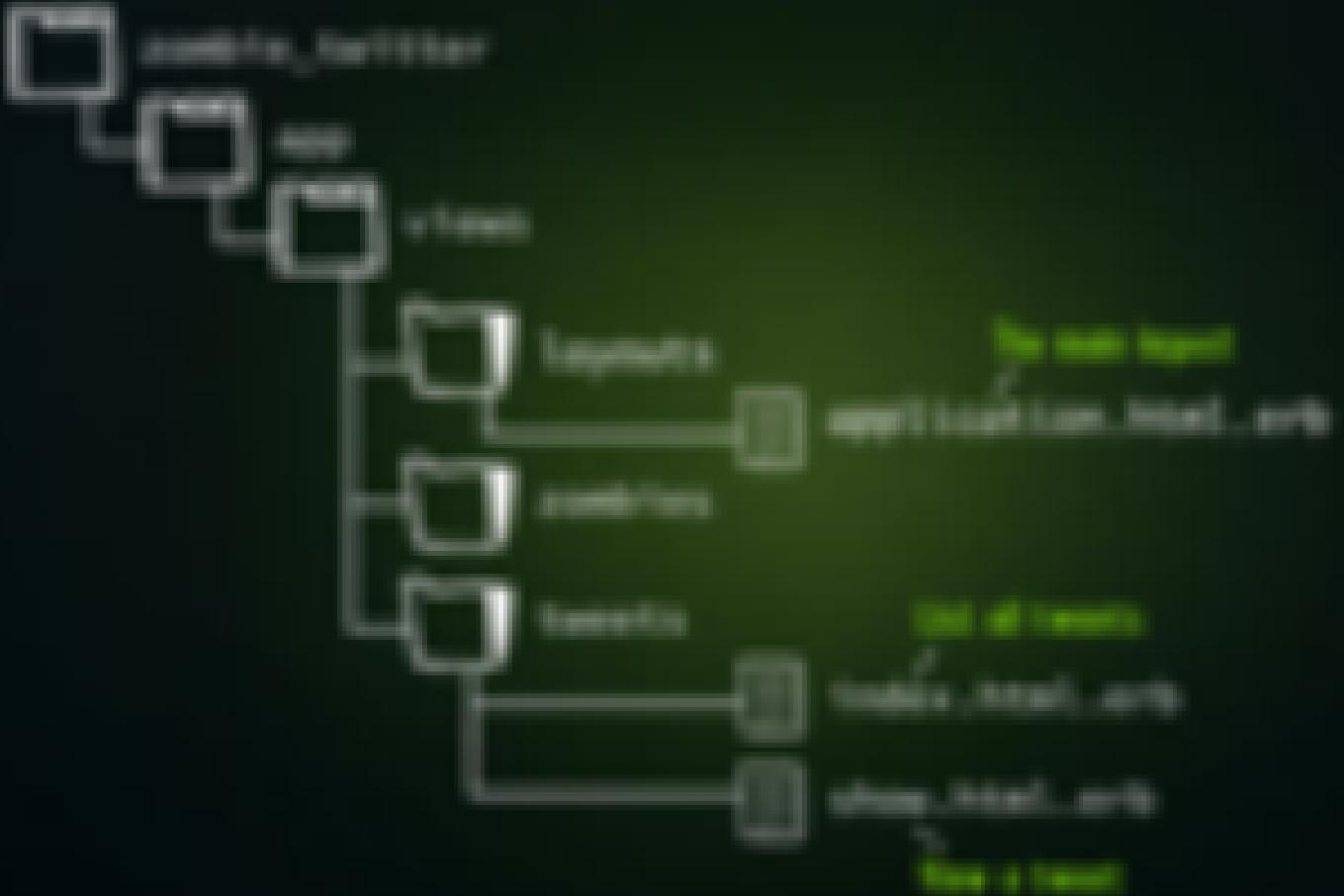
Options for link_to

1. Look in the source
Look at `link_to` source

2. Look at `spluby` code
and search for `link_to`

http://www.rubyonrails.org





View

List Tweets

Search Twitter for:

newt Gingrich: Newt Gingrich

newt

newt

newt gingrich

newt gingrich

newt

newt gingrich newt

newt

newt gingrich Newt Gingrich

newt gingrich Newt Gingrich

newt

newt

newt

List Tweets

Search tweets by keyword

new learning NewbieBigDog

newbie

newbie

newbie programming

newbie learning

newbie

newbie will learn in [\[link\]](#) to

newbie

newbie NewbieBigDog

newbie NewbieBigDog

newbie

[\[link\]](#) to

newbie

newbie

newbie

newbie_all

newbie

newbie

newbie



newbie

newbie

newbie

newbie for the blog. Newbie

Newbie Newbie

Newbie

Newbie Newbie

Create Links

Link to external URL or file

Link to external URL or file

Link URL:

Link Name:

Link Description:

Link Type: External Link

Link Type: Internal Link

Link Type: File

Create Links

Empty Table?

Table

View

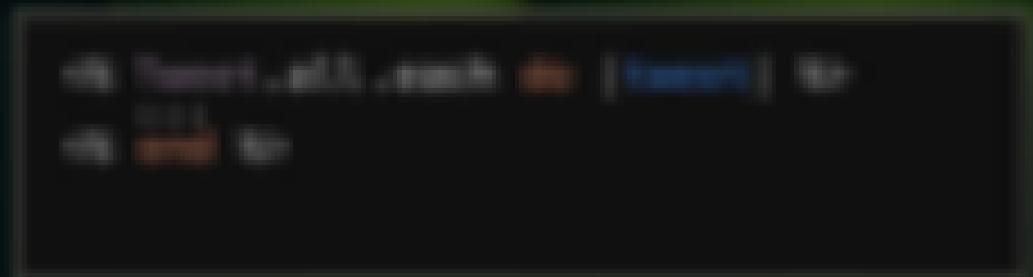


Using terms

Using terms

Term Term
Search

Search



Empty Table?

Table

View



Using items

Using items

Items
Inventory

Inventory

00000000 00000000

00000000 00000000

00000000

Empty Table?

Category	Count	Action
Books	10	View
Books with no reviews	10	View
Books with 0 reviews	10	View
Books with no reviews and no reviews found from user	10	View

Showing results

No results

Showing results

No results

View details

Edit & Delete Links

View

File Home Links

Links

Category

Link

Link

Link

Links

Links

Search



Link

Link

Link

Link

Link

Links

Links

Link

Link

Link

Link

Link

Link

Link

Link

All Links For Tweets

View

Link	Link	Link
http://t.co/3mzg9	http://t.co/3mzg9	http://t.co/3mzg9
http://t.co/3mzg9	http://t.co/3mzg9	http://t.co/3mzg9

Copy or Share This

Link	Link	Link
http://t.co/3mzg9	http://t.co/3mzg9	http://t.co/3mzg9
http://t.co/3mzg9	http://t.co/3mzg9	http://t.co/3mzg9
http://t.co/3mzg9	http://t.co/3mzg9	http://t.co/3mzg9

X Copy or Share This

ZOMBIE LAB 3



CONTROLLERS BRAINS OF THE APP

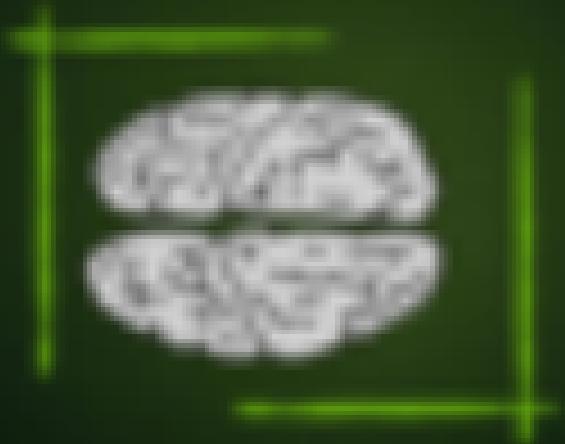
LEVEL 4



Controller

The middle layer between the Model and the View

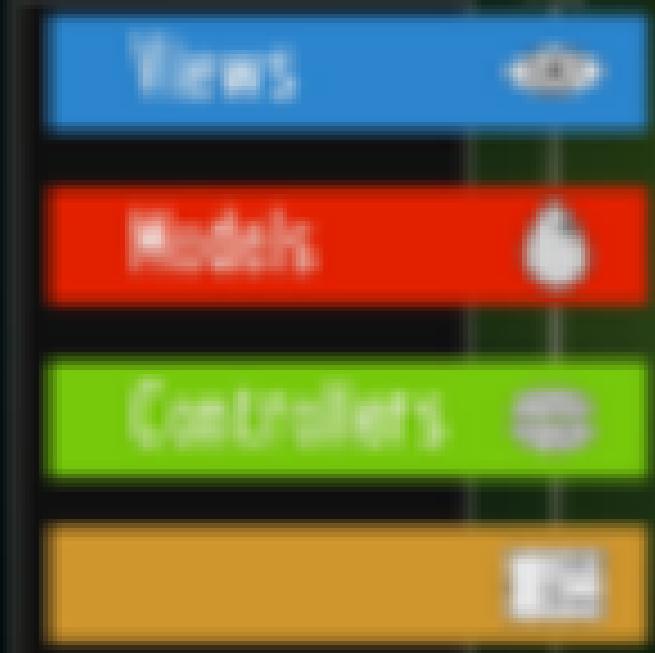
CONTROLLER



The **Brain** of the application



Application Stack



Browser



For more information about the study, contact Dr. Michael J. Koenig at (314) 747-2100 or via e-mail at koenig@dfci.harvard.edu.

Request for

new controller

Controllers (0)

Import controller from file

or Import a binary, plugin or
archive file, update script
generated by the [controller manager](#)

multiple, multiple

controller

multiple, multiple, multiple

CONTROLLERS

Request

Controller

CONTROLLER

Request → Controller

→ Router → Router, Firewall, etc.

→ Switch → Ethernet, Fiber optic

→ Application Layer → Application Layer

This is a solution for the most basic traffic

between the Internet and the

user's home

Request

route

↳ `app/controllers/application_controller.rb`

↳ `class ApplicationController < ApplicationController`

⋮

⋮

↳ `app/controllers/home_controller.rb`

↳ `class HomeController < ApplicationController`

⋮ `end` ↳ `HomeController` is

instantiated by the `ApplicationController`

↳ `ApplicationController`

Request

route

↳ `app/controllers/main_controller`

↳ `class MainController < ApplicationController`

 def

 index

 end

↳ `app/views/main/index.html.erb`

 <html>

 <head>

 <title>Hello, World!</title>

 </head>

Router

Request

↳ `log.info("User login")`

↳ `logger.info("User login")`

↳ `logger.info("User login")`

↳ `log.info("User login")`

↳ `logger.info("User login")`

↳ `logger.info("User login")`

↳ `logger.info("User login")`

Logger

Request

route

has controller with action

class

UserController

• implements controller interface

code

This is where we specify all our routes
In this file we could

has action named like route

method

on UserController

• implements controller interface

code

which is annotated by like @Controller and @Route

Request

route

↳ `app/controllers/application_controller.rb`

↳ `class ApplicationController < ActionController::Base`

↳ `end`

↳ `before_filter :authenticate_user!`

↳ `end`

↳ `app/controllers/home_controller.rb`

↳ `class HomeController < ApplicationController`

↳ `respond_to :html, :xml, :json`

↳ `end`

↳ `authenticated_by :session, :using => session_key`

↳ `before_filter :authenticate_user!`

↳ `before_filter :authenticate_user!`

Digitized by srujanika@gmail.com

Rendering a Different View

```
func handleIndex(w http.ResponseWriter)
```

```
    type IndexController struct {
        app *App
    }

    func (c *IndexController) ServeHTTP(w http.ResponseWriter) {
        // ...
    }
}
```

```
func handleIndex(w http.ResponseWriter)
```

```
    controller := &IndexController{app: app}
    controller.ServeHTTP(w)
}
```

Logging Performance

Java Logging API vs. Logback

```
class JavaLoggingController { ApplicationEventHandler log  
    {  
        public void handle(Event event) {  
            System.out.println("Event: " + event);  
        }  
    }  
}
```

```
public class ApplicationEventHandler {  
    public void handle(Event event) {}  
}
```

Logback

```
X:\java> java -jar logback-test.jar
```

Hunting

Personation

Personation list

person : Person | "The user"

Person : Person | "User" | person | person | creation()

PersonationList

person : Person | "The user"

Person : Person | "User" | person | user | creation()



Attack type

Person : Person | person | user()

Permutation

Holding

Player 1: Jonathan (White)

Player 2: David (Black)

Player 3: Tony-anton (Green) (Team)

Game Link:
New game to support this
is going to be released

In Rule 4 we are required to use Strong Permutations

We need to specify the position of the components

(negative | Positive)

Set the orientation and position to board

Player | Position

Strong Performance

I have seen nothing like it before in our country and we are

Engaged with DR. GHOST

Health

HP

What's up? I'm running low on health.
I'm gonna "Phantom" you.
Question: Where can I get a good "Glow" and "Phantom"
equipped? I hope "Phantom" is something like a
"Glow".

Phantom equipped?
Question: Where can I get a good "Glow" or something?
Glow is, like, blue.

Bugout with FH or JSD

start

HOF

Implementation

```
class NestedFunction {  
    // ...  
    function outer() {  
        // ...  
        function inner() {  
            // ...  
        }  
        return inner;  
    }  
}
```

let

function

function

Brundtland Report

10

Controller Action

Method: `new, create`

Class	Description	Action
Order	Set of items	New
Order	New single item	New
Order	New item from here	New
Order	New in with current items	New
Order	Double item	New
Order	Multiple items	New
Order	Single item	New



Higher

Page 1 of 1

The Edit Action

EDIT

Any action can be edited.



Adding Some Authentication



Adding users

User

username:
password:
password2:

Role

Role:
User

Group

Group:
User

Adding Some Authentication

Help



Using tokens

Session

JWT



where you will need to hardcode

to be secure

public static void Main(string[] args)

to be secure

Adding Some Authentication

Help



Logging In

Log in to your application

What would you like to do?

Right now it's empty but later on

I will add some things here.



Abstract and Scope

Redirect and Flash

HTTP

Request URL: /error

```
class ErrorController : ApplicationController
  def show
    flash[:error] = "Sorry, you can't edit this record"
    redirect_to root_path
  end
end
```

Flash - Error

X **Server Response** `method=edit&record_id=1`
Content-Type: text/html; charset=UTF-8
Sorry, you can't edit this record!

Skills for Legends

Legend Skills (not yet sorted)

• [Attack](#) (base)

• [Defense](#)

• [Attack Partner](#) (for Legendary skills)

• [Health](#)

• [Speed](#)

• [Energy](#) ()

• [Health Regen](#) (base)

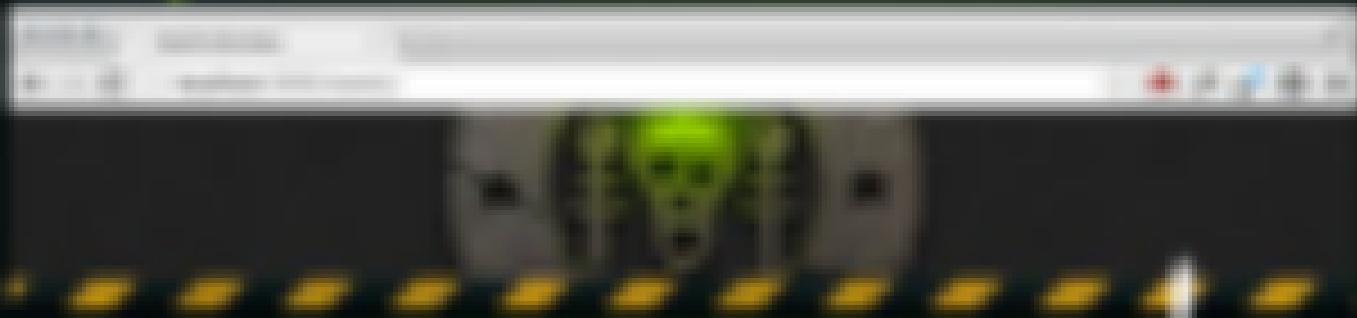
• [Attack Speed](#)

• [Health Recovery](#)

Tools for Layouts

Adding Some Authentication

Help



Using tokens

Session

Token



where you will need to insert

to be able to access

public functions for /tokens, to be able to access



Adding Some Authentication

Help



Logging In

Log in with your GitHub account

What would you like to do?

Sign up or log in with GitHub

Sign in with GitHub

Controller Action

Method name: **Index**

Class: `App\\Http\\Controllers\\AuthController`

1	Logout	Logout
2	Login	Login
3	Logout	Logout
4	Login	Login
5	Logout	Logout
6	Login	Login
7	Logout	Logout
8	Login	Login
9	Logout	Logout
10	Login	Login
11	Logout	Logout
12	Login	Login
13	Logout	Logout
14	Login	Login
15	Logout	Logout
16	Login	Login
17	Logout	Logout
18	Login	Login
19	Logout	Logout
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22	Login	Login
23	Logout	Logout
24	Login	Login
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26	Login	Login
27	Logout	Logout
28	Login	Login
29	Logout	Logout
30	Login	Login
31	Logout	Logout
32	Login	Login
33	Logout	Logout
34	Login	Login
35	Logout	Logout
36	Login	Login
37	Logout	Logout
38	Login	Login
39	Logout	Logout
40	Login	Login
41	Logout	Logout
42	Login	Login
43	Logout	Logout
44	Login	Login
45	Logout	Logout
46	Login	Login
47	Logout	Logout
48	Login	Login
49	Logout	Logout
50	Login	Login
51	Logout	Logout
52	Login	Login
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87	Logout	Logout
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89	Logout	Logout
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92	Login	Login
93	Logout	Logout
94	Login	Login
95	Logout	Logout
96	Login	Login
97	Logout	Logout
98	Login	Login
99	Logout	Logout
100	Login	Login

View

Controller Action

Method: **get**, **post**

Path	Description	HTTP Method
/	Root Controller	get
/api/v1/locations	Get all locations	get
/api/v1/location/{id}	Get single location	get
/api/v1/location/{id}/books	Get books from location	get
/api/v1/books	Get quality books	get
/api/v1/books/{id}	Get single book	get
/api/v1/books/{id}/reviews	Get reviews for book	get
/api/v1/reviews	Get reviews	get
/api/v1/reviews/{id}	Get single review	get

Test

API TESTER

Before Actions

BIGGER

Implementation: `run_parallel`

```
class RunParallelAction < ApplicationAction<Parallel>
```

```
  def
```

```
    parallel do |task, parallelize|
```

```
      task
```

```
    end
```

```
    parallel do |task, parallelize|
```

```
      task
```

```
    end
```

```
    parallel do |task, parallelize|
```

```
  end
```


Adding Some Authentication

Help



Adding tests

Tests Tests

When we log in you will see	50	<input type="checkbox"/>	True
Right now it's empty but that can	50	<input type="checkbox"/>	True
Just like this when true,	50	<input type="checkbox"/>	True



ZOMBIE LAB 4

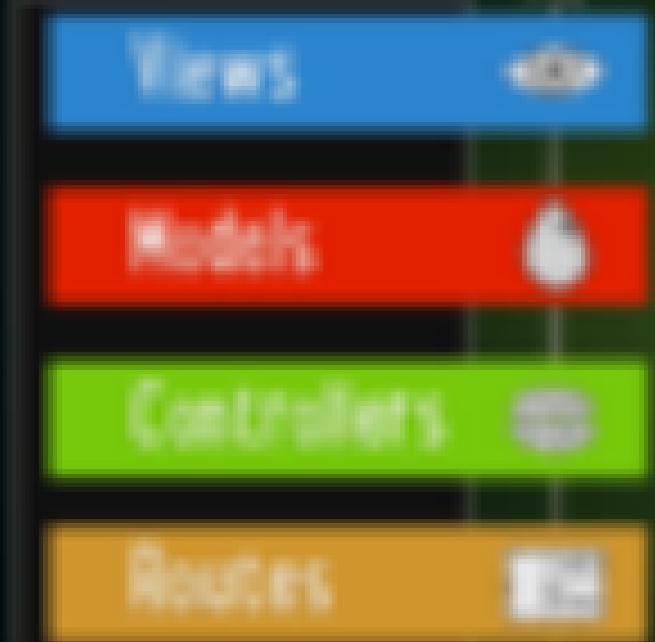


ROUTING THROUGH RAILS

LEVEL 3



Application Stack



404 Error

How to Create and Share PDFs

PDFs

Up Next: PDFs Made Easy

Action	File	Other Options
Print	Print	Print...
Save	Save	Save As...

Save

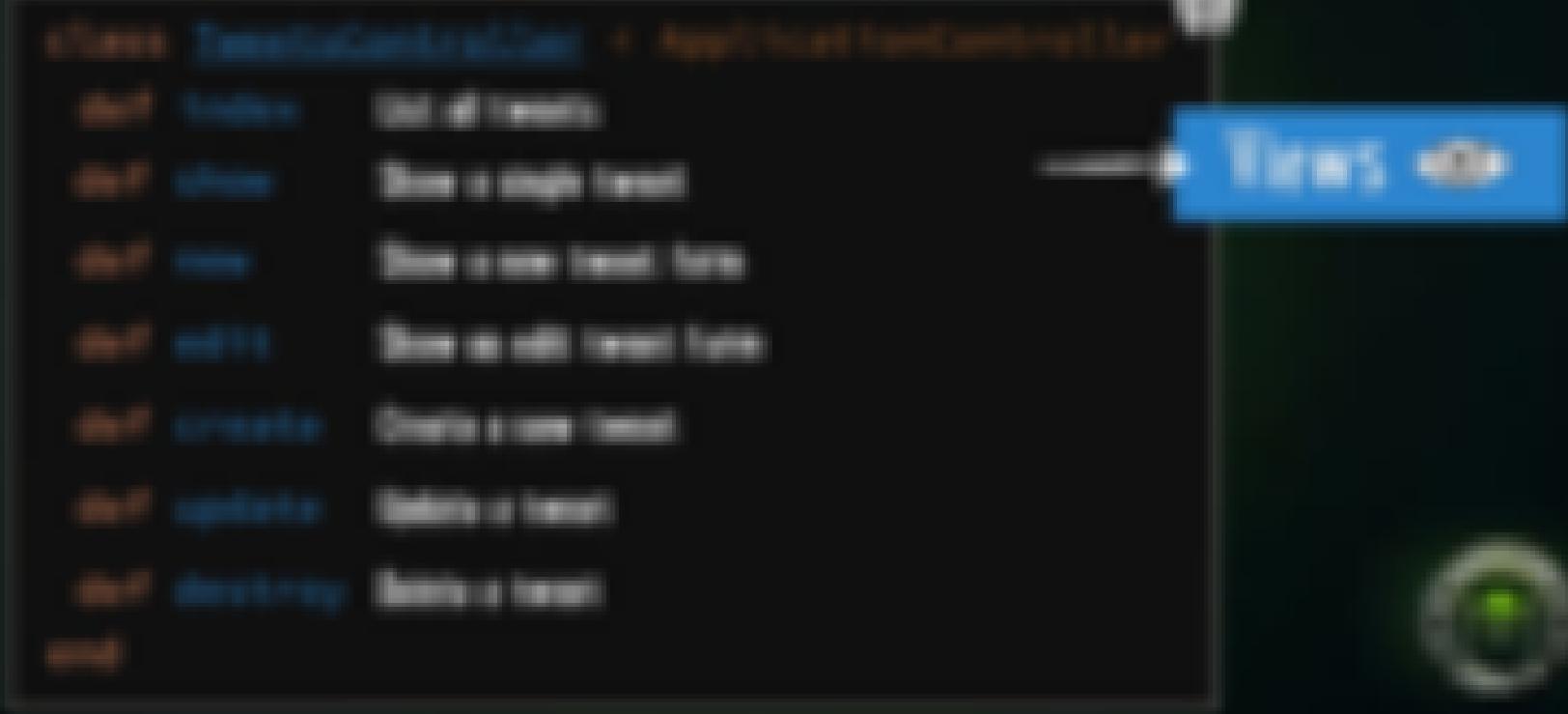
Save As File

Action	File	File Options
Save	Save	Save As...
Save As	Save As	Save As...
Save As PDF	Save As PDF	Save As PDF

and three actions.

higher

Implementation example:



We need to define Targets

Choosing what we want to make with our sources

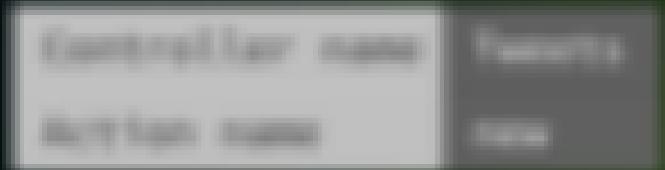
Using Python's `argparse` to get command-line args
without too much code



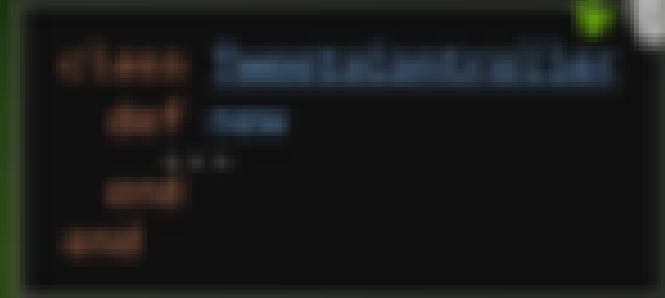
Name	Type	Description
monitor_1	Interface	mon1
monitor_2	Interface	mon2
eth0, monitor_3	Interface	mon3
eth1, monitor_4	Interface	mon4
Add a new target		

Custom Router

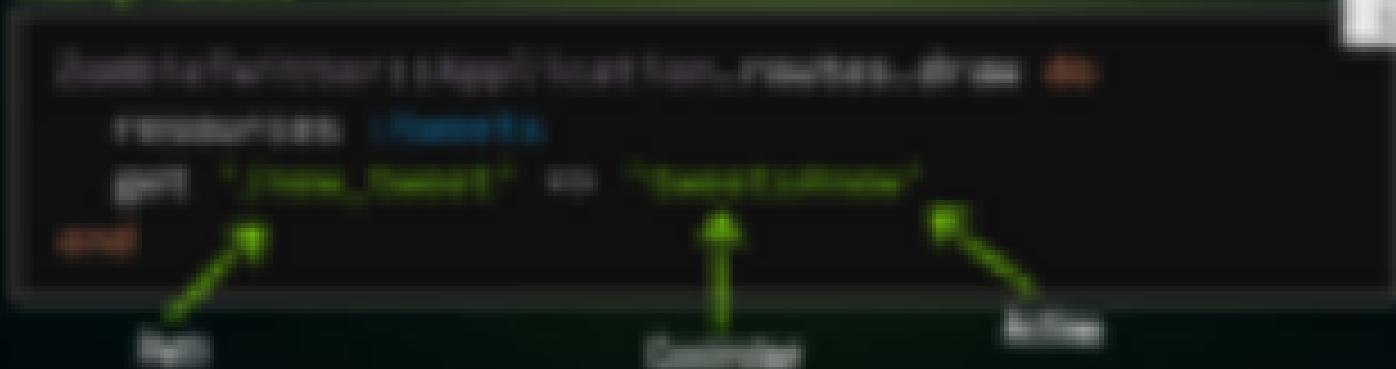
application.html.slim



application.html.slim



Container



Footer



New tweet

Follow

Search

Named Router

myRouter.routes

Configuration routes

Dynamic routes

new

myRouter.routes

Class: `DynamicRouter`

Extends: `Router`

Properties:

- name
- path
- parent

Route Handler

```
get '/page' to 'DynamicRouter'
```

10

My first real Router?

myRouter.routes

10

Named Router

myRouter.routes

Configure routes

Register routes

new

myOtherRouter.routes

Class: `DefaultRouter`

Extends:
`Router`

Imports:
`Route`

Exports:
`Router`

Route Handler

```
get '/users' to 'UserController#index', via 'GET', priority: 1
```

```
get '/books/:id', to 'BookController#show', via: :get, priority: 1
```

myRouter

View details



Writing

Using traits

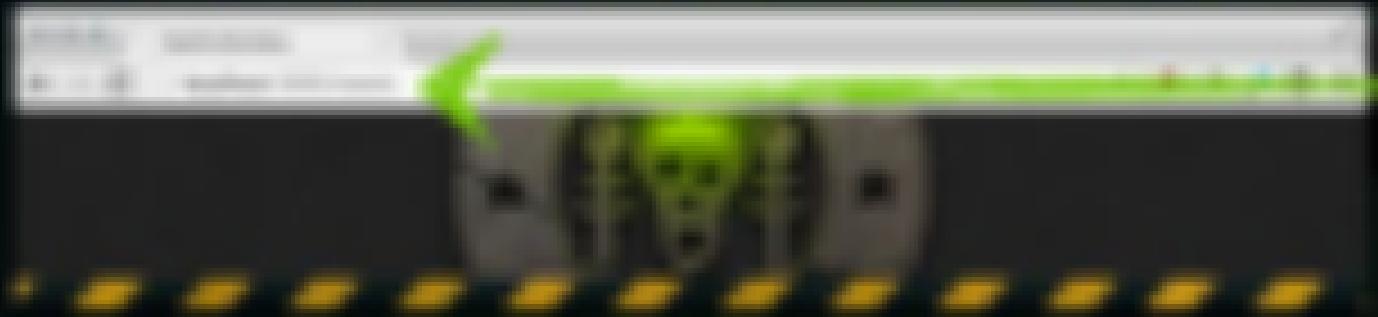
Status	Last	By	Action
Where can I get a good wine to eat?	Bob	Bob	Get better
My left arm is sore, but I don't care.	Bob	Bob	Get better
I'm not going to go to the gym.	Bob	Bob	Get better

What if our tweet used to be found at `/id`,
but now our defining URL is `/tweets`.
What can we do?



Redirects to





Using Twitter

Twitter

Twitter

Where can I get a good job to work?

Job

Job Search

My left arm is missing, but I don't care. You

Job Search

I just like being different from

Job

Job Search



Endgame

import random

def roll_dice

import random

```
get('roll') or self.roll('dice'))
```

```
get('google') or self.roll('https://www.google.com/')
```

Root Logos

img/logo/logo1.png

Logo

img/logo/logo2.png

root

img/logo/logo1.png



clip 1 has to "tell" "parent", root path is

Booting Process

Initial Boot Sequence

Boot Library (ROM)
Boot Library (FAT)

Boot Library (ROM)
Boot Library (FAT)

```
[1] [1] [1]
[2] [2] [2]
[3] [3] [3]
[4] [4] [4]
[5] [5] [5]
[6] [6] [6]
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[99] [99] [99]
```

Boat Parameters

BoatLength: 2000

BoatLength: 1000

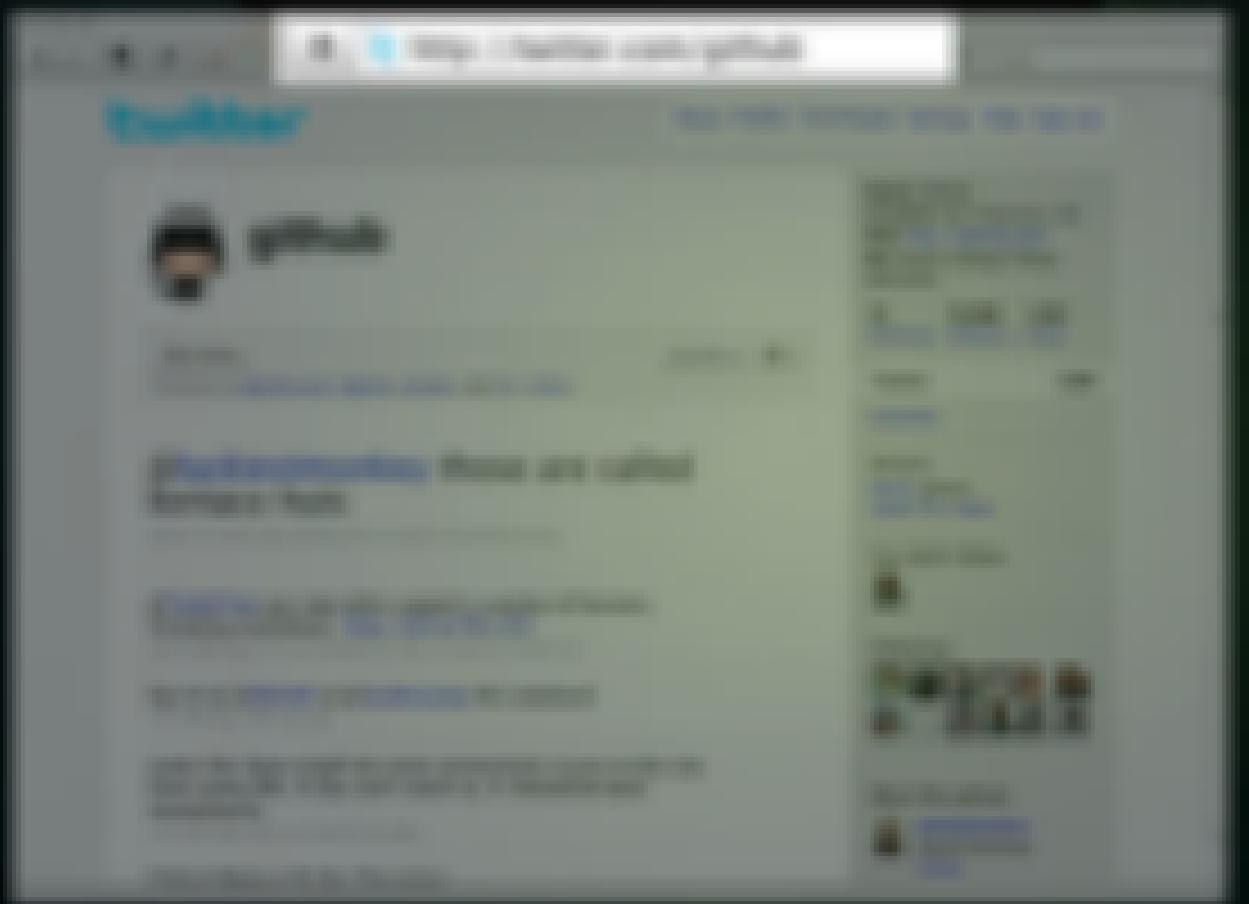
```
get "http://localhost:5000/api/v1/boat", as: "BoatController"
```

unauthorized or not enough information

```
get "http://localhost:5000/api/v1/boat",  
as: "BoatController", token: "local_token"
```

```
sign_in_as("User in Room", local_token, port: 5000) do
```





WTF



Boyle Properties

Boyle Properties
Properties sold

```
get "index" do
  "Welcome to Boyle Properties"
  end
  get "listings", &gt; BoylePropertiesController.listings
  get "about", &gt; BoylePropertiesController.about
  get "contact", &gt; BoylePropertiesController.contact
end
```



Home



Properties



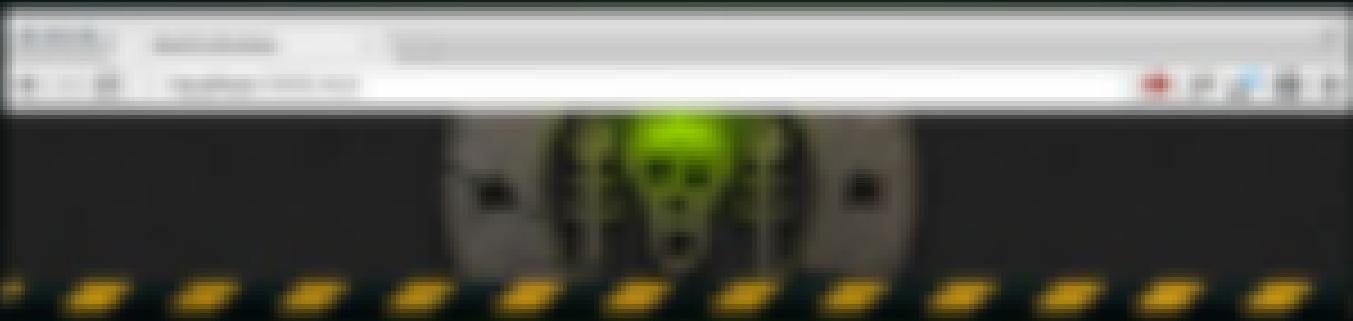
About Boyle Properties



Contact Boyle Properties



Help



Listing tweets

Steve

Jesse

where can I get a good like to and? bob

in reply

OK, my Flappy turned green. BOB. bob

in reply

ZOMBIE LAB 5

