



RUPORT

R U B Y R E P O R T S

A quick look at the extensible
reporting system for Ruby.

Reporting
SUCKS

“Gee, I’m really looking forward
to auditing those account
balances today”

Ruby Reports
can make it
suck less.

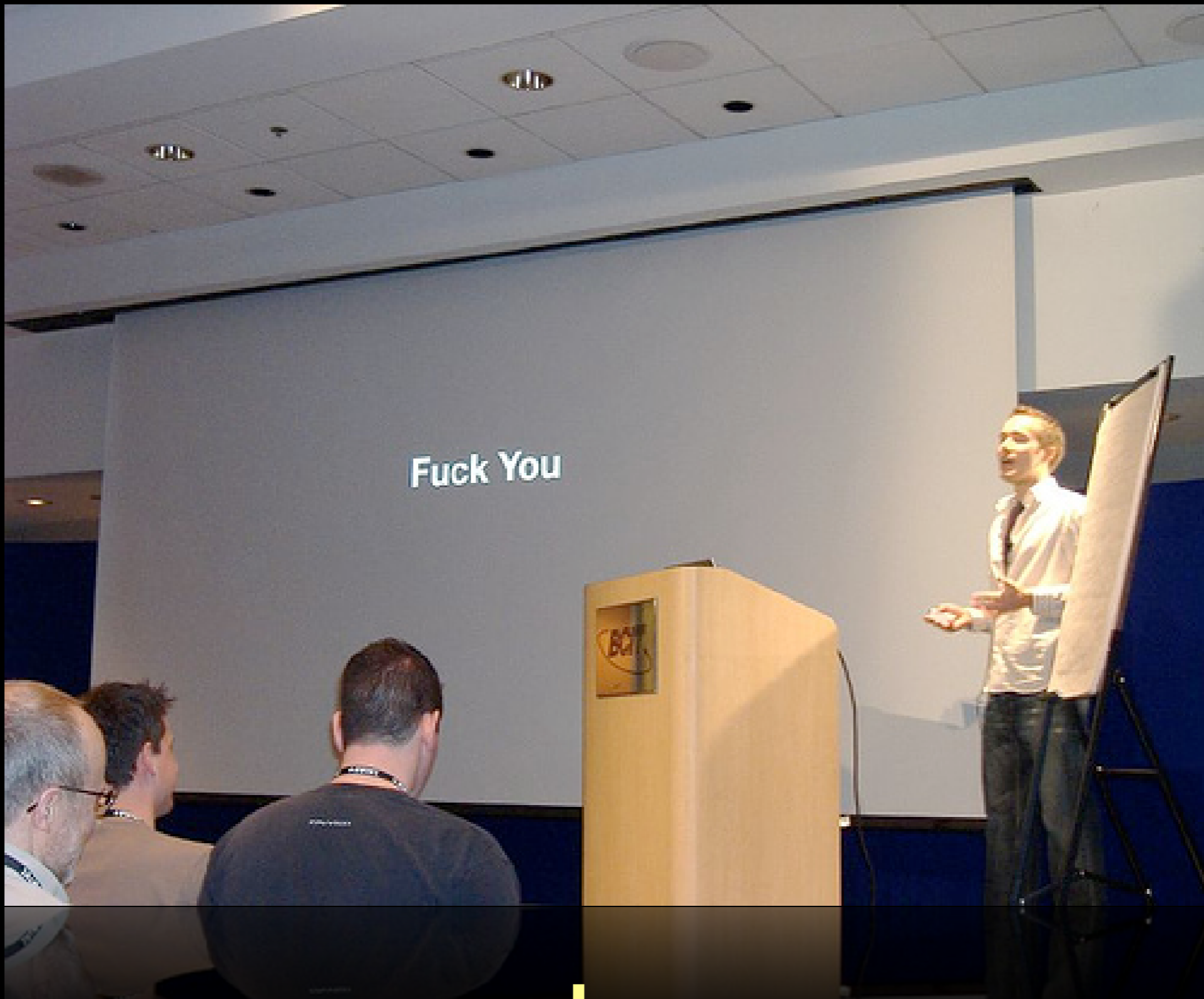
Ruby

Ruport is
opinionated
software

```
Terminal — bash — 80x24
seltzer:~/devel/ruport sandal$ rope my_project
creating directories..
  my_project/test
  my_project/config
  my_project/output
  my_project/data
  my_project/lib
  my_project/lib/reports
  my_project/templates
  my_project/sql
  my_project/log
  my_project/util
creating files..
  my_project/lib/reports.rb
  my_project/lib/helpers.rb
  my_project/lib/init.rb
  my_project/config/ruport_config.rb
  my_project/util/build
  my_project/util/sql_exec
  my_project/Rakefile

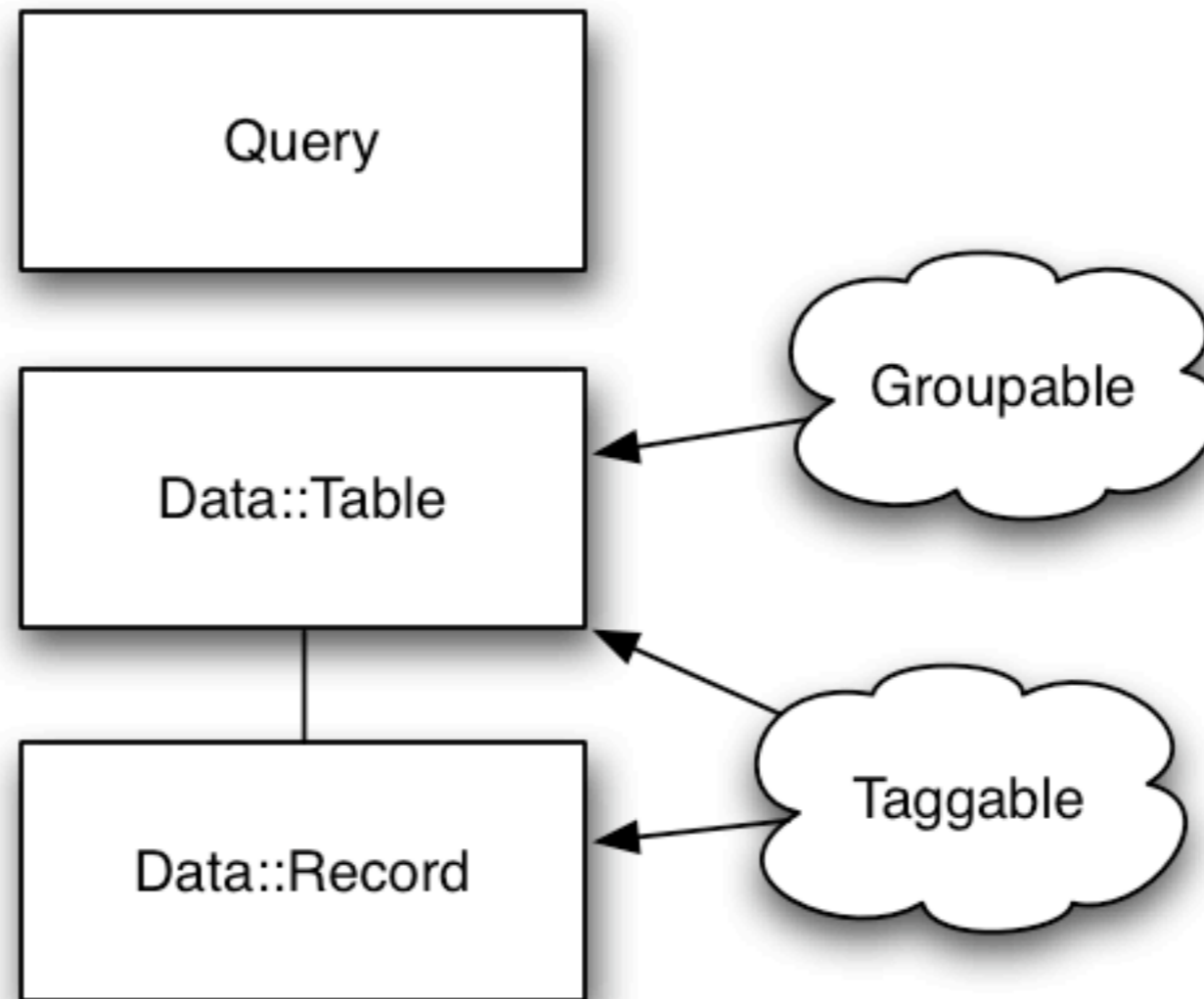
Successfully generated project: my_project
seltzer:~/devel/ruport sandal$
```

```
seltzer:~/devel/ruport sandal$
Successfully generated project: my_project
seltzer:~/devel/ruport sandal$
```



Probably not **that** opinionated

Ruport is
SIMPLE
software



Data Model

```

require "rubygems"
require "ruport"

table = Table(%w[a b c first_name last_name]) { |t|
  t << [10,5,4,'gregory','brown'] # a + b + c = 19
  t << [11,13,2,'sam','jackson'] # a + b + c = 26
  t << { "a" => 3, "b" => 3, "c" => 2, # a + b + c = 8
        "first_name" => "joe", "last_name" => "loop" }
}

table.add_column("even?") { |r| ((r.a + r.b + r.c) % 2).zero? }

table.create_group("odd") { |r| not r.even? }
table.create_group("even") { |r| r.even? }

puts table.sub_table(%w[first_name last_name]).to_html

```

```

puts table.sub_table(%w[first_name last_name]).to_html

```

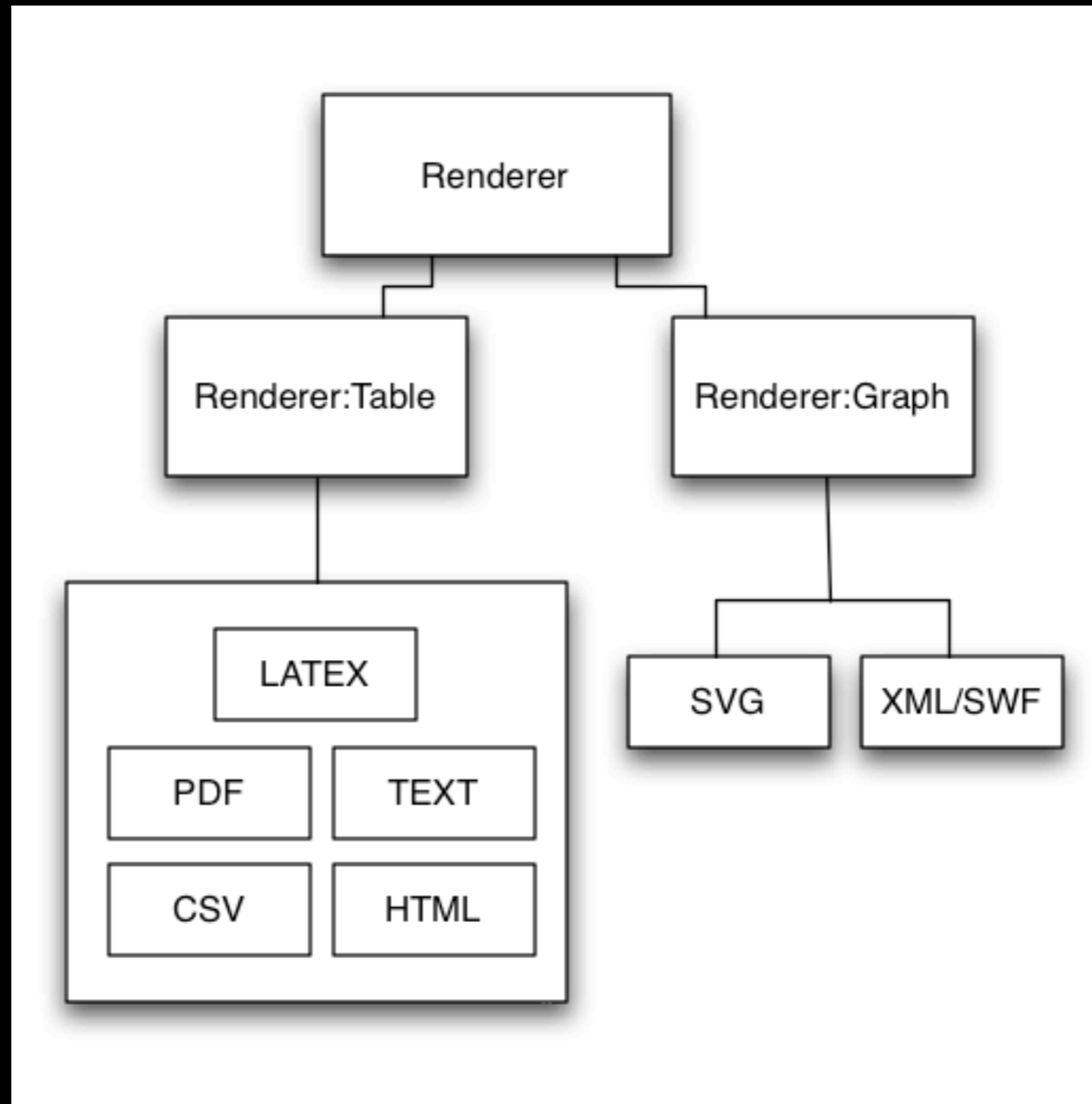
```

table.create_group("even") { |r| r.even? }

```

```
<table>
  <tr>
    <th>first_name</th>
    <th>last_name</th>
  </tr>
  <tr class='grp_odd'>
    <td class='grp_odd'>gregory</td>
    <td class='grp_odd'>brown</td>
  </tr>
  <tr class='grp_even'>
    <td class='grp_even'>sam</td>
    <td class='grp_even'>jackson</td>
  </tr>
  <tr class='grp_even'>
    <td class='grp_even'>joe</td>
    <td class='grp_even'>loop</td>
  </tr>
</table>
```

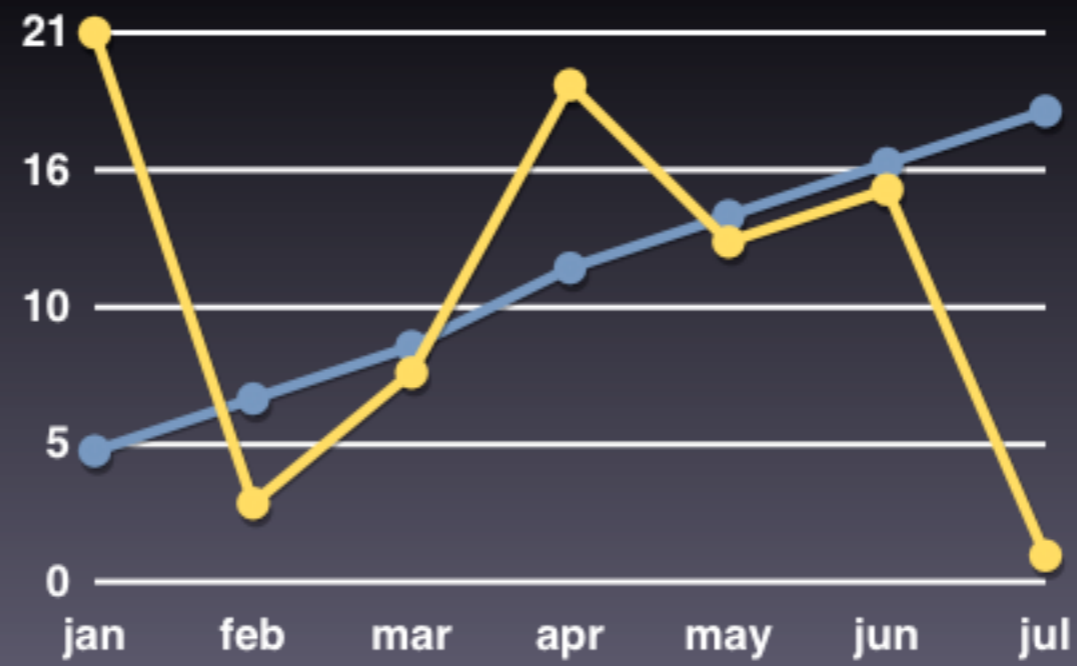
```
<\fapjε>
  <\fr>
    <fq class=',grp-even,'>joop<\fq>
```



Formatting System

Simple Line Graph

■ ghosts ■ pirates



jan feb mar apr may jun jul

0

Report

rope

Config

acts_as_reportable

Mailer

Utilities / DSL

```

require "lib/init"
class Playlist < Ruport::Report

  def prepare
    t = load_csv "data/mix.txt", :csv_options => { :col_sep => "\t" }
    @table = t.sub_table(%w[Name Artist Album Time])
  end

  def generate
    @table.to_pdf
  end

end

if __FILE__ == $0
  Playlist.run { |res| res.write 'output/mix.pdf' }
end

```

```

end
  Playlist.run { |res| res.write 'output/mix.pdf' }
if __FILE__ == $0

```

Playlist from 2007-01-23

Name	Artist	Album	Time
We Didn't Start The Fire	Billy Joel	The Essential Billy Joel (Disc 2)	290
If You Want to Sing Out, Sing Out	Cat Stevens	Classics, Volume 24	167
Don't Let's Start	They Might Be Giants	Then: The Earlier Years	155
The Future Freaks Me Out	Motion City Soundtrack	I Am the Movie	216
Breakfast At Tiffany's	Deep Blue Something	Stealth Music Factory	251
I Palindrome I	They Might Be Giants	The Spine Hits the Road	147
Selfish Man	Flogging Molly	Swagger	176
XTC vs. Adam Ant	They Might Be Giants	Severe Tire Damage	219
Mad World	Gary Jules	(tears for fears cover)	189
New York City	They Might Be Giants	The Spine In Minneapolis	212
Hallelujah	John Cale	Scrubs Soundtrack	279
Daughters	John Mayer	Heavier Things	237
Boom Boom Boom	Vengaboys		202
Handbags and Gladrags	Rod Stewart	20th Century Masters - The Millennium Collection: The Best of Rod Stewart	264
Give Peace a Chance	John Lennon	Give Peace A Chance	281
World Leader Pretend	R.E.M.	Green	259
Under Pressure	David Bowie & Queen		241
It Ends Tonight	The All-American Rejects	Move Along	246
End of the Tour	They Might Be Giants	The Spine Hits the Road	208
It's The End Of The World As We Know It	REM	eponymous	244

Know It	REM	eponymous	244
It's The End Of The World As We	REM	eponymous	244
End of the Tour	They Might Be Giants	The Spine Hits the Road	208
It Ends Tonight	The All-American Rejects	Move Along	246

However...

It will **NOT** build
a blog in 15 minutes

We are YAGNI extremists.

We don't know what
the hell Data Cubes are,
and we don't want to know.

(only half joking...)

But if we're doing
our job right, it shouldn't
be hard to build them.

Ruport is a tool
for programmers.

Ruport is a tool
for **ruby** programmers.

All classes are extremely
friendly to meta-hackery

Tons of modules
for decoupling
and collision avoidance

`gem_plugin`
for the hacks
that we're afraid of.

To sum it up...

Use Rreport if you want
a simple, lightweight
reporting system that will
stay out of your way.

If you want
drag and drop AJAX,
let us know when
you've got something built.

[seriously :)]

mailing list:

<http://list.rubyreports.org>

wiki:

<http://code.rubyreports.org>

blog:

<http://blog.rubyreports.org>