Perl 6 ♥ the Web

YAPC::EU 2009-08-05
OH HAI
masak
I like Perl 6
Perl 6 application developer
Rakudo has made me more productive...
...at submitting bugs.
In fact,
it's not OCD (?)
I like to destroy things
I like to see things break
Job title: destroyer
Job title: stress tester
Job title: general complainer
Show of hands
How many have...
...heard about Perl 6?
...seen a feature in Perl 6 that you liked?
...seen a feature in Perl 6 that you disliked?
...written a script in Rakudo?
...reported a bug for Rakudo?
At NPW, I said Perl 6 is growing
I was right
We need to do something!
April
April!?
The Web

Web.pm for Perl 6

Perl 6
The Web
TimBL 1989
This is the 21st century!
Short story: we need something new!
condensing good things
from other languages
better defaults
routine parameters
class/method keywords
multisubs
all about pushing knowledge down
sneakingly encouraging you
to do things right
"strangely consistent"
iterative design
What's the goal?
Simplicity
use v6;
use Astaire;

get '/hi' => {
  "OH HAI"
}
Web.pm subprojects

Request/Response | Web.pm (core)
---|---
Dispatching | LolDispatch, Faz, Astaire
Templating | ?, Hitomi, Tags
MVC | ?
Core API

%;env

[a web app]

[$response, %header, @body]
class HelloWorld {
    method &.($env) {
        [200,
         "Content-Type" => "text/plain"],
         ["Hello world!"
        ]
    }
}
Web::Request, Web::Response
Web::Handler
Web::MockRequest
Defaults vs Configuration
Civilization advances by extending the number of important operations which we can perform without thinking about them.

Alfred North Whitehead
OTOH: over time, you want to fiddle
80-20 rule
<html xmlns="http://www.w3.org/1999/xhtml"
  xmlns:pl="http://github.com/masak/hitomi/" />

<head>
  <title>Welcome</title>
</head>

<body>
  <h2>List of movies</h2>
  <ul pl:if="@movies">
    <li pl:for="@movies -> $movie">
      <a href="${path-to.movie($movie.id)}">${$movie.title}</a>
    </li>
  </ul>
</body>
</html>
<table>
<thead>
<tr>
<th>Perl 6</th>
<th>Web.pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rewrite</td>
<td>Rewrite</td>
</tr>
<tr>
<td>Steals ideas</td>
<td>Steals ideas</td>
</tr>
<tr>
<td>Coercion</td>
<td>Coercion</td>
</tr>
<tr>
<td>Encodings</td>
<td>Encodings</td>
</tr>
<tr>
<td>Spec</td>
<td>Spec</td>
</tr>
<tr>
<td>Usable now</td>
<td>Usable now</td>
</tr>
</tbody>
</table>
Self-similarity
FRACTAL WRONGNESS

You are not just wrong. You are wrong at every conceivable scale of resolution. Zooming in on any part of your worldview finds beliefs exactly as wrong as your entire worldview.
Rest of the team

Tene  ihrd  arthur-_  

Thanks! You rock!
Watercolor 12
Dew Drop Spider Web
First flight
Bad landing
Camelia, the Perl 6 logo
Triberg Waterfalls (close-up)
Whirlpool
The Web that is Us
Puzzle
Activation energy
Colorful Boxes
Natural fractal
Fractal wrongness

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http://www.flickr.com/photos/jeffsmallwood/233853485/
http://www.flickr.com/photos/29007475@N08/3618600334/
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Thank you
Questions?