Tide

The missing web framework
https://github.com/tide-framework

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Yet another web framework?

The problem

- Seaside?

- Amber + REST?

Seaside

- Aging…

- Not very well prepared for "Web 2.0"

Amber + REST

- Request nightmare

- Leads to bad design (if not super-careful)

  - Double validation problem

  - "Layer" programming

  - ...

We can do better

The problem

- How to do MVC?

- How to expose domain without adding unnecessary layers?

  - …and still be safe

- How to keep the "seaside feeling" in a fat client-server application?

How?

- Amber + Pharo

- Through a communication bridge serialising JSON

Client side

- Proxies

- Futures (kinda)

  - Keeps the flow sequential

  - It is still not synchronic, but works most of the time

Server side

- Exposing objects

  - <action>

  - <state>

- Literals, Collections, Models

Demo

Counter class

```
TDCounter>>#count
  ^ count

TDCounter>>#increase
  count := count + 1

TDCounter>>#decrease
  count := count - 1
```

Counter presenter

```
TDCounter>>#count
   <state>
   ^ count

TDCounter>>#increase
   <action>
   count := count + 1

TDCounter>>#decrease
   <action>
   count := count - 1
```

Counter client

```
counterProxy := TDProxyClient on: '/counter'.
counterProxy connect.

counterProxy count. "0"
counterProxy increase
    then: [ counterProxy count ]. "1"
```

Marina

CMS for the simple minds

Yet another CMS?

The problem

- Pier is HUGE

- ... and hard to learn

How?

- Uses only already existing projects (we do not reinvent the wheel…)

  - On top of Tide (duh!)

  - User management: Mozilla persona

  - Syntax: Pillar (same as Pier)

  - Persistency: Voyage

Features

- Suitable for small/simple pages

- Very simple (yet not finished)

- Stable

- Fast

- Can accept plugins

  - For now, just a basic blog (Disqus for comments)

Demo

Marina

Pages Templates Users

👤 estebanlm@gmail.com   logout

📋 Pages

Root / [Add structure] [Upload] Default template: [default ▾]

📄 About	about	**Published**	Remove
📄 Blogs	blogs	**Published**	Remove
📄 Community	community	**Published**	Remove
📄 Contribute	contribute	**Published**	Remove
📄 Contribute - Participate in events	contribute-events	**Published**	Remove
📄 Contribute - Propose a fix	contribute-propose-fix	**Published**	Remove
📄 Contribute - Report a bug	contribute-report-bug	**Published**	Remove
📄 Documentation	documentation	**Published**	Remove
📄 Download	download	**Published**	Remove
📄 License	license	**Published**	Remove
📄 Welcome to Pharo!	index	**Published**	Remove
📁 files	files		Remove

◆ Marina   Pages   Templates   Users

👤 estebanlm@gmail.com   logout

✏ Edit page About

Title

About

Path

about

Template

default ⬍

Contents

!About Pharo

{{{<div class="col-md-9 col-xs-12">}}}

!!Mission
Pharo's goal is to deliver a clean, innovative, free open-source environment.

By providing a stable and small core system, excellent developing tools, and maintained releases, Pharo is an attractive platform to build and deploy mission critical applications.

Pharo fosters a healthy ecosystem of both private and commercial contributors who advance and maintain the core system and its external packages.

Pharo – Welcome to Pharo!

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Download   Learn more
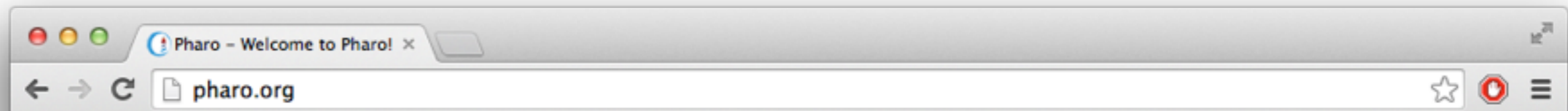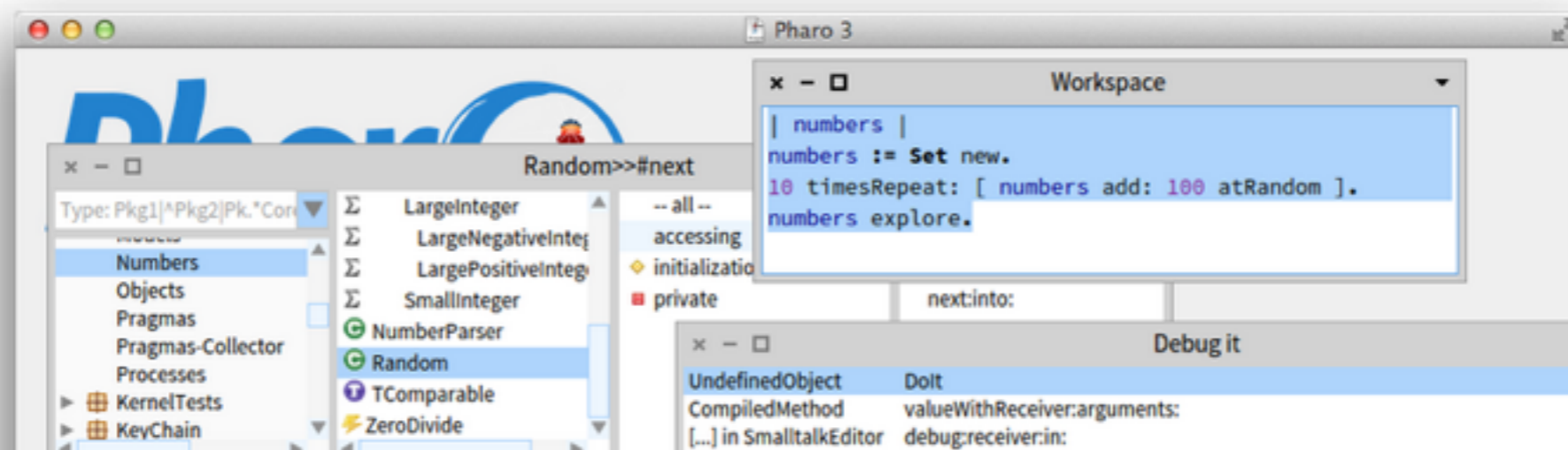
Phar

The immersive programming experience

Pharo gives you total control over your programming experience.
Focused on simplicity and immediate feedback, it is a pure object-oriented programming language *and* a powerful environment (think IDE and OS rolled into one).
It is open source and available for Mac, Windows and Linux.

Pharo 3

Workspace

```
| numbers |
numbers := Set new.
10 timesRepeat: [ numbers add: 100 atRandom ].
numbers explore.
```

Random>>#next

Type: Pkg1|^Pkg2|Pk.*Core

-- all --

accessing
initializatio
private

Σ LargeInteger
Σ LargeNegativeInteg
Σ LargePositiveInteg
Σ SmallInteger
NumberParser
Random
TComparable
ZeroDivide

Numbers
Objects
Pragmas
Pragmas-Collector
Processes
KernelTests
KeyChain

next:into:

Debug it

UndefinedObject   DoIt
CompiledMethod   valueWithReceiver:arguments:
[...] in SmalltalkEditor   debug:receiver:in:

Download it today!

https://github.com/tide-framework
(Installation instructions in README.md)

Thanks!

Esteban Lorenzano - 2014