Proposals for the Reborn Pharo Developer

Simon Denier, Damien Pollet, Stéphane Ducasse





My name is Simon Denier

and I have nothing to show

What do I have?

Some backstory

I'm a newcomer to Smalltalk

less than a year

Did my time in Java

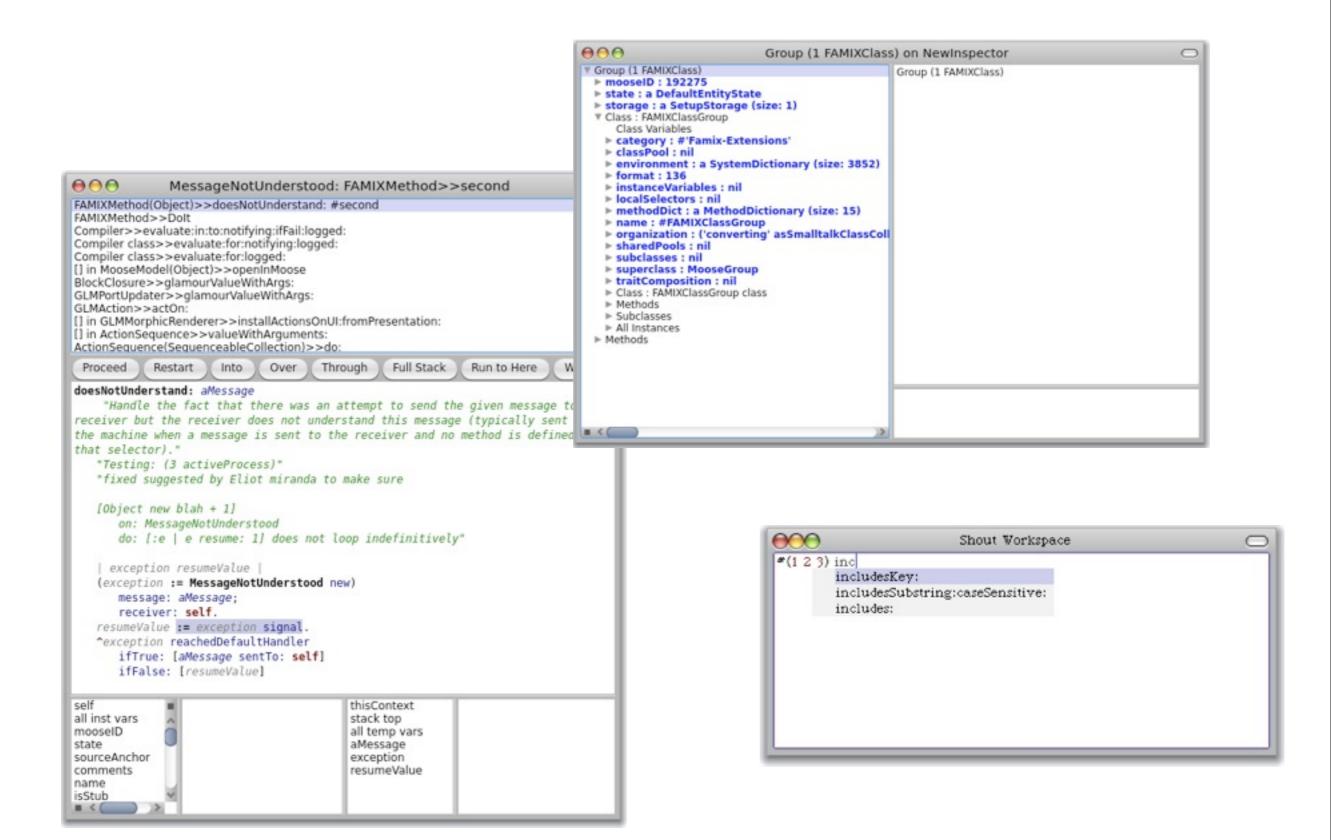
5 years with eclipse...

So it's quite a shock

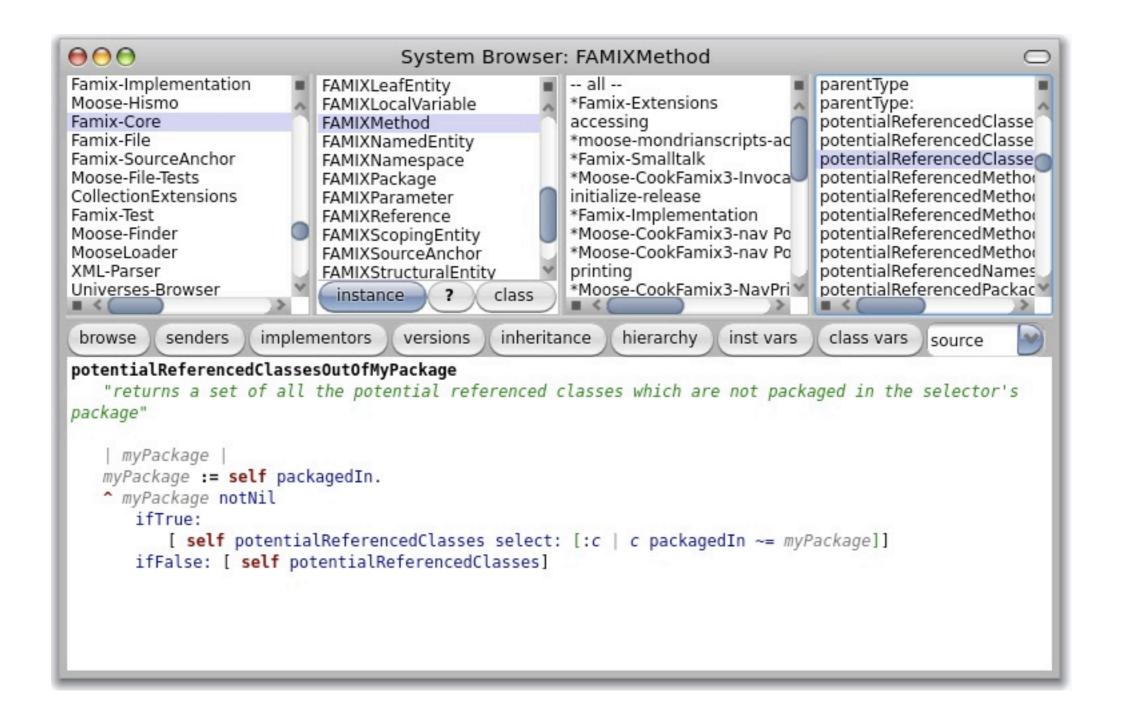
And sometimes I wonder

"what the f...?"

Good stuff



Not so good stuff



So I have some ideas

and I want yours

Focus

When I code

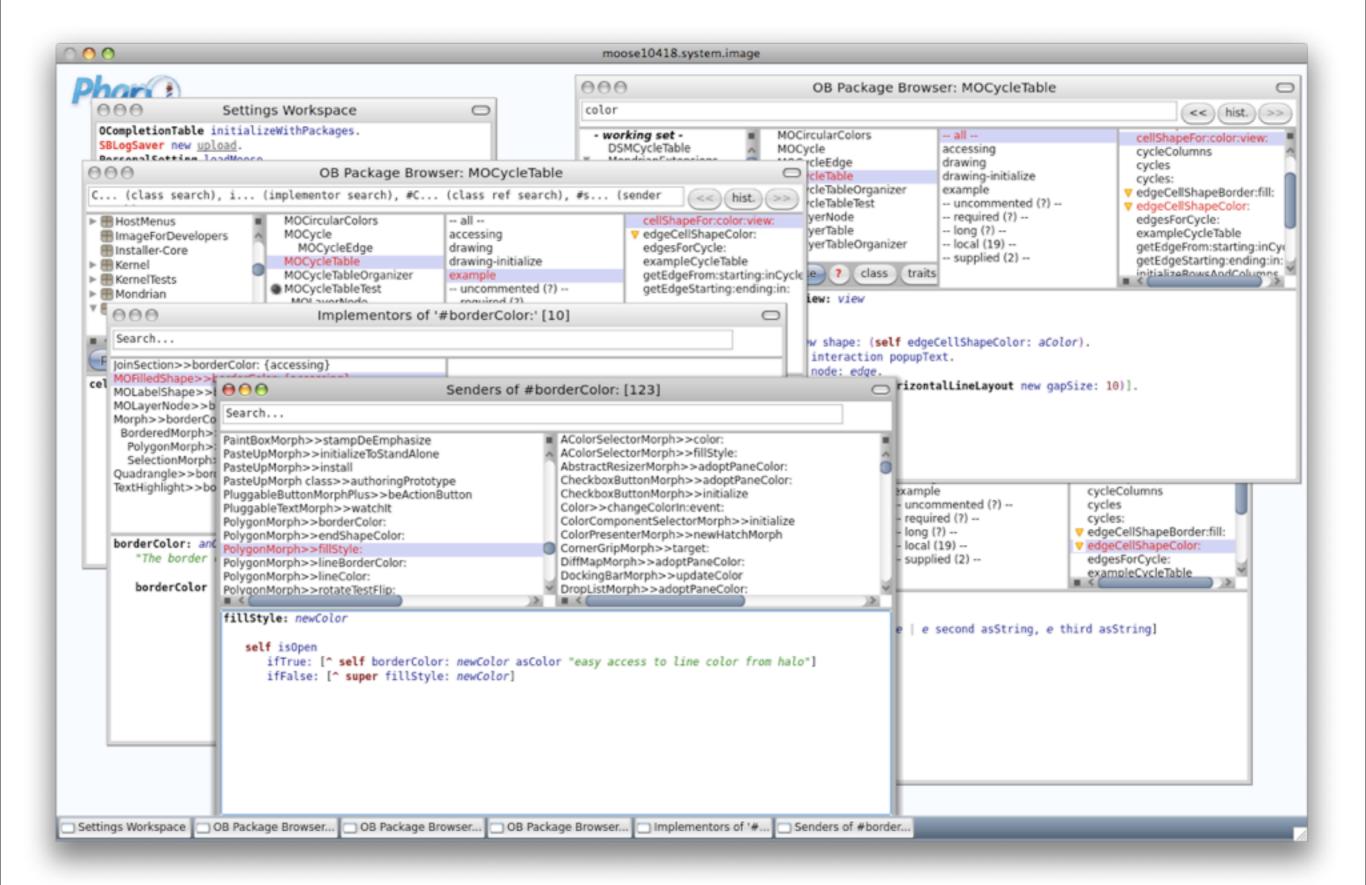
I do one thing at a time

Coding is task-oriented

I may browse the system

But I always come back to a few classes

Unfortunately



Working set

Set of interesting items

Selected items

Unsaved items

History items

Tools built around the working set

Working set =

the new workhorse

Ubiquity

Select text then...

do it, print it, inspect it, debug it...

browse class, senders, implementors

It's a marvellous thing

Unfortunately

Not every interaction is so seamless

Menus are less accessible than toolbars

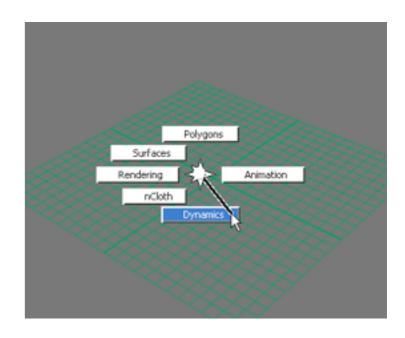
Menus are cumbersome for most-used actions

Menus become cluttered with many items

What is better?

Pie menus





Good for most used items

Good with mouse gestures

Hyperlink

Semi-modal hyperlinks in text pane

control+click browse definition/implementors

control+alt+click browse references/senders

Ubiquity means seamless interaction everywhere

Navigation

So ubiquity is cool for browsing code

but what about focus?

Did you try browsing senders of #=?

Do you want implementors of #new in package?

We need focus for navigation and search

Look for senders of #= in this class

Look for implementors of #new in package

Look for class definition of String in the system

Look for methods of Collection in its hierarchy

Do you see the pattern?

Look for aspect of target in scope

Look for senders of #= in this class

Look for implementors of #new in package

Look for class definition of String in the system

Look for methods of Collection in its hierarchy

(all?) search can be expressed in this wannabe API

Remember

focus+ubiquity+navigation =

new Pharo experience!