

Learning how to discover information

Stéphane Ducasse

http://stephane.ducasse.free.fr



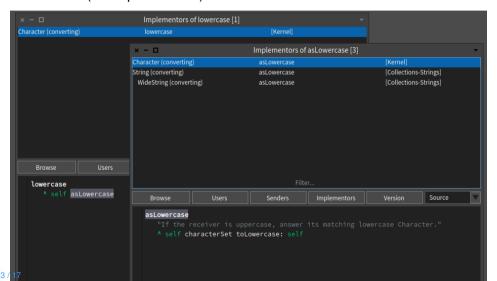


Looking for implementors

- Look for possible implementations
- You will get methods and may be one that you can call on (sub)-instances of the class implementing it.

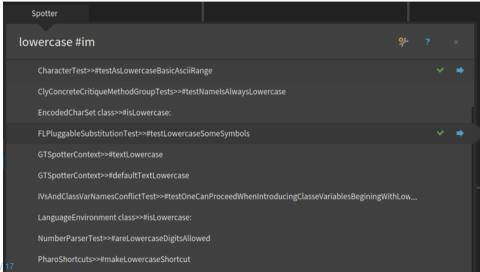
Looking for implementors

Command-m (for iMpleMentors)



Looking for implementors (Spotter)

Shift-Enter hex #im (all methods whose selectors contains ...)



Looking for senders

- Look how a given message is used
- Always interesting to understand typical arguments to be passed

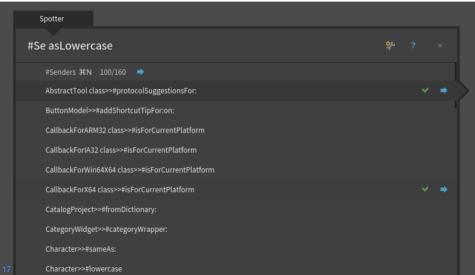
Looking for senders

Command-n (for seNders)

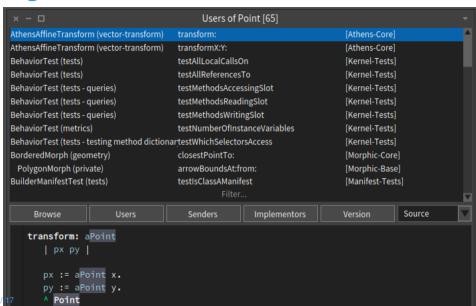
There is no senders of lowercase

Looking for senders (Spotter)

Shit-Enter asLowercase #se

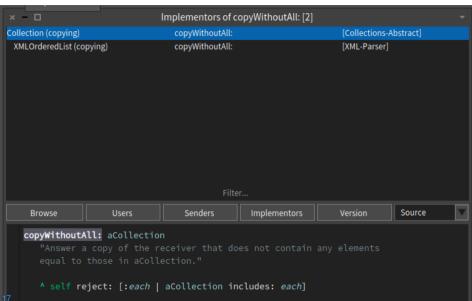


Looking for class references



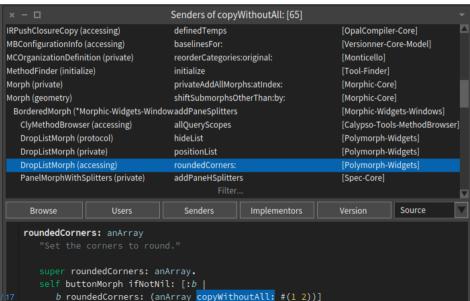


Example: copyWithoutAll: implementors





Example: copyWithoutAll: senders





Looking for hex

```
testCopyEmptyWithoutAll
"self debug: #testCopyEmptyWithoutAll"
| res |
res := self empty copyWithoutAll: self collectionWithElementsToRemove.
self assert: res size = self empty size.
self collectionWithElementsToRemove do: [:each | self deny: (res includes: each)]
```

Grabing instances and asking them

Too often we try to imagine objects

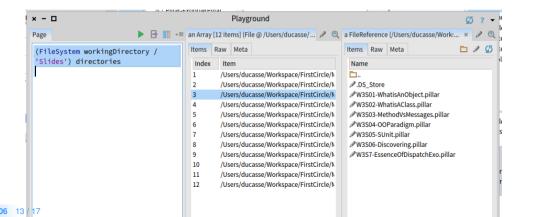
- · Grab one as early as possible and
- Send message to this object
- Inspect it, talk to it

All the folders...

Find all the folder of this lectures containing pillar files

FileSystem workingDirectory / 'Slides'

(FileSystem workingDirectory / 'Slides') inspect



All the folders...

(FileSystem workingDirectory / 'Slides') directories

(FileSystem workingDirectory / 'Slides') directories first children first

(FileSystem workingDirectory / 'Slides') directories first children inspect

All the folders...

(FileSystem workingDirectory / 'Slides') directories select: [:each | each children anySatisfy: [:achil | achil extension = 'pillar']]

Summary

Looking for

- implementors
- senders
- direct references to classes

A course by Stéphane Ducasse http://stephane.ducasse.free.fr

Reusing some parts of the Pharo Mooc by

Damien Cassou, Stéphane Ducasse, Luc Fabresse http://mooc.pharo.org

