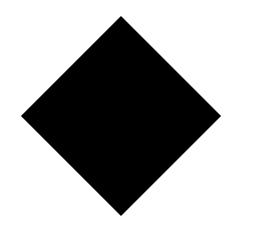
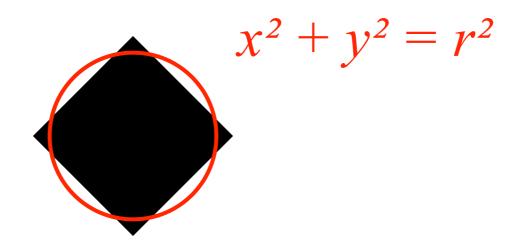
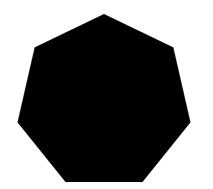
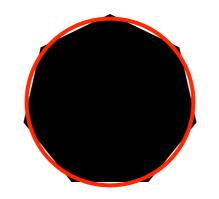
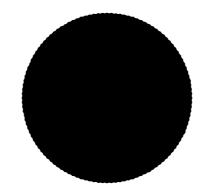
Beyond the Concept of Quality in Phar (*) Yuriy Tymchuk | Michele Lanza

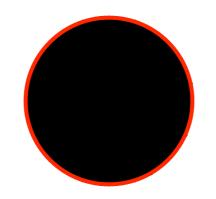


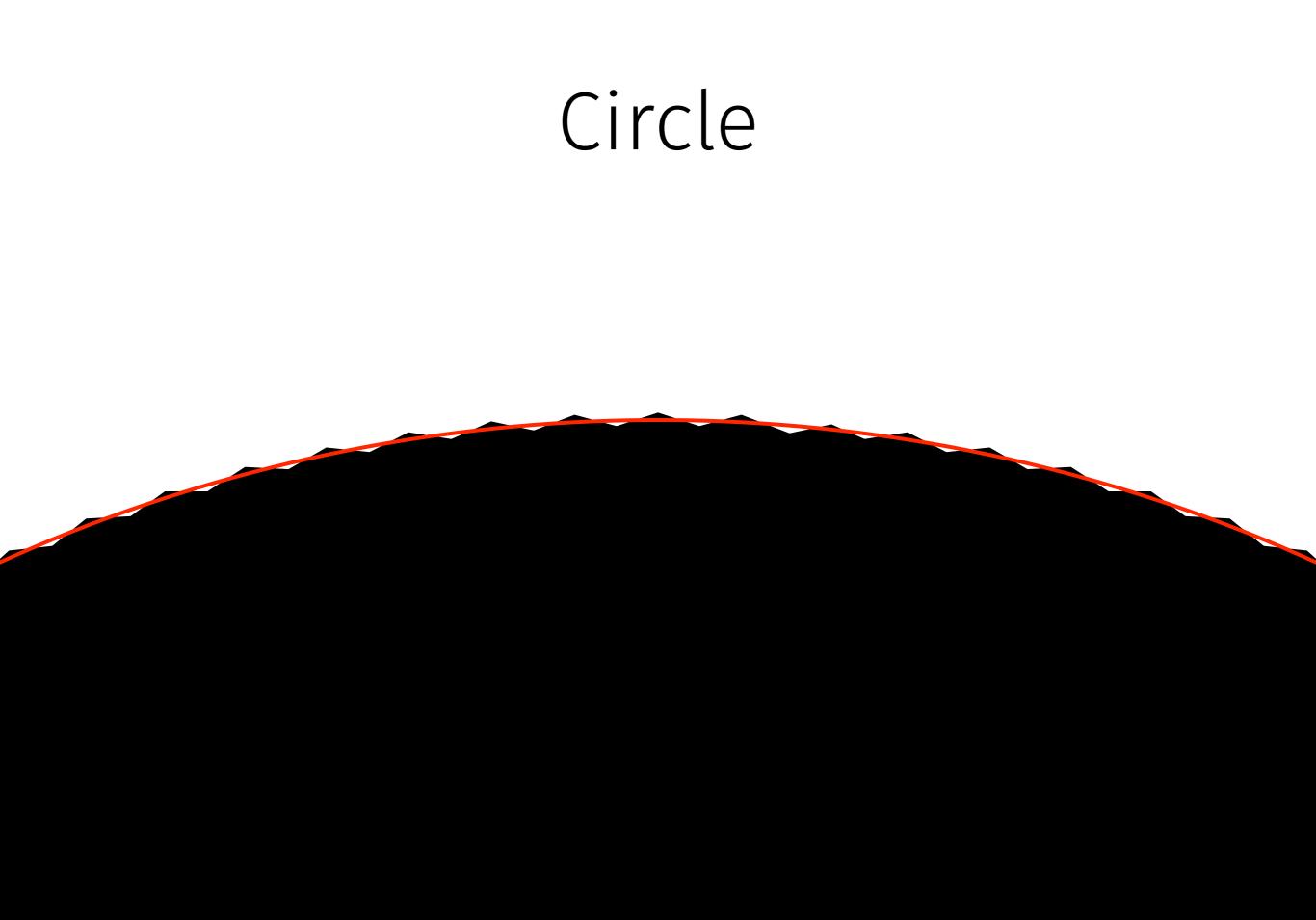






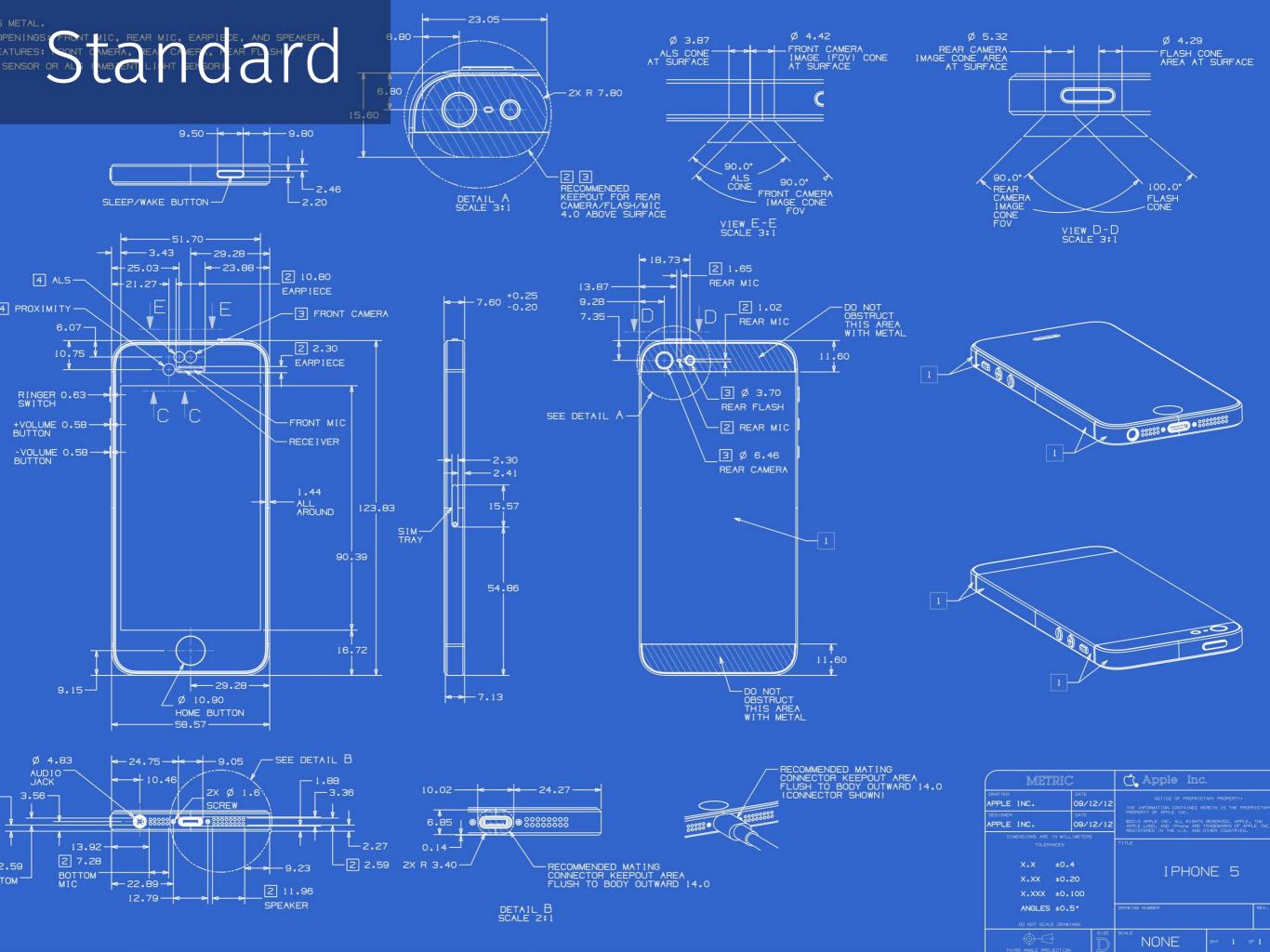






Quality is relative





Comparison



Perception

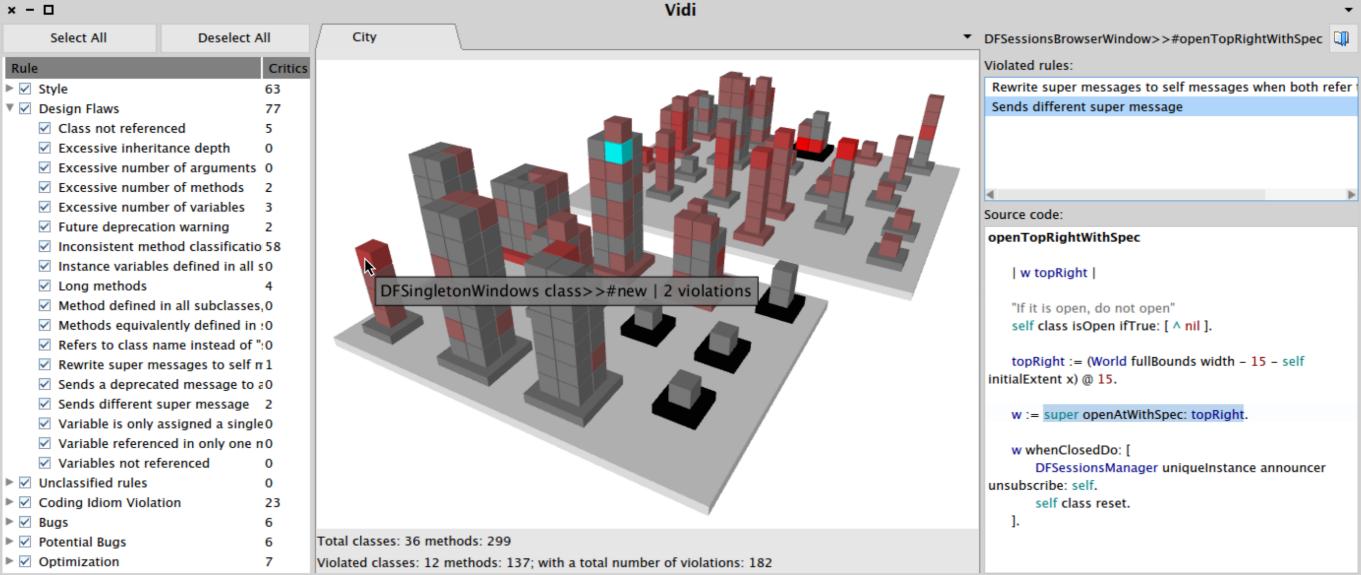
0

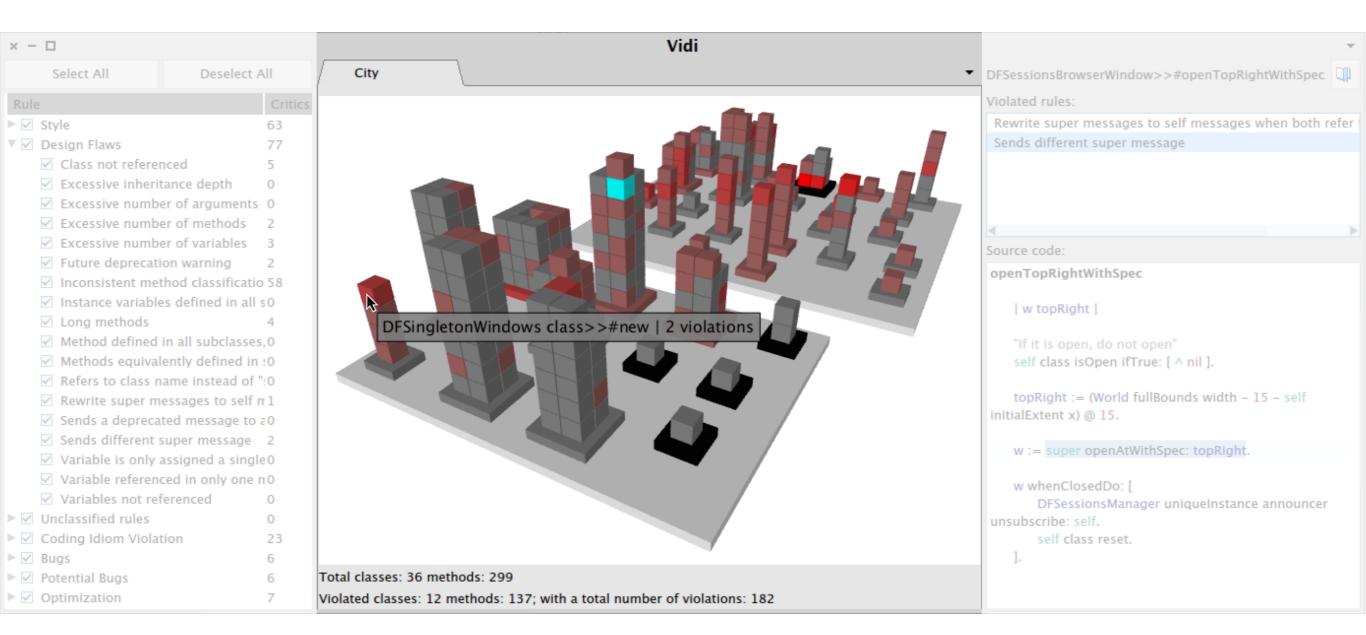
Visual Design Inspector

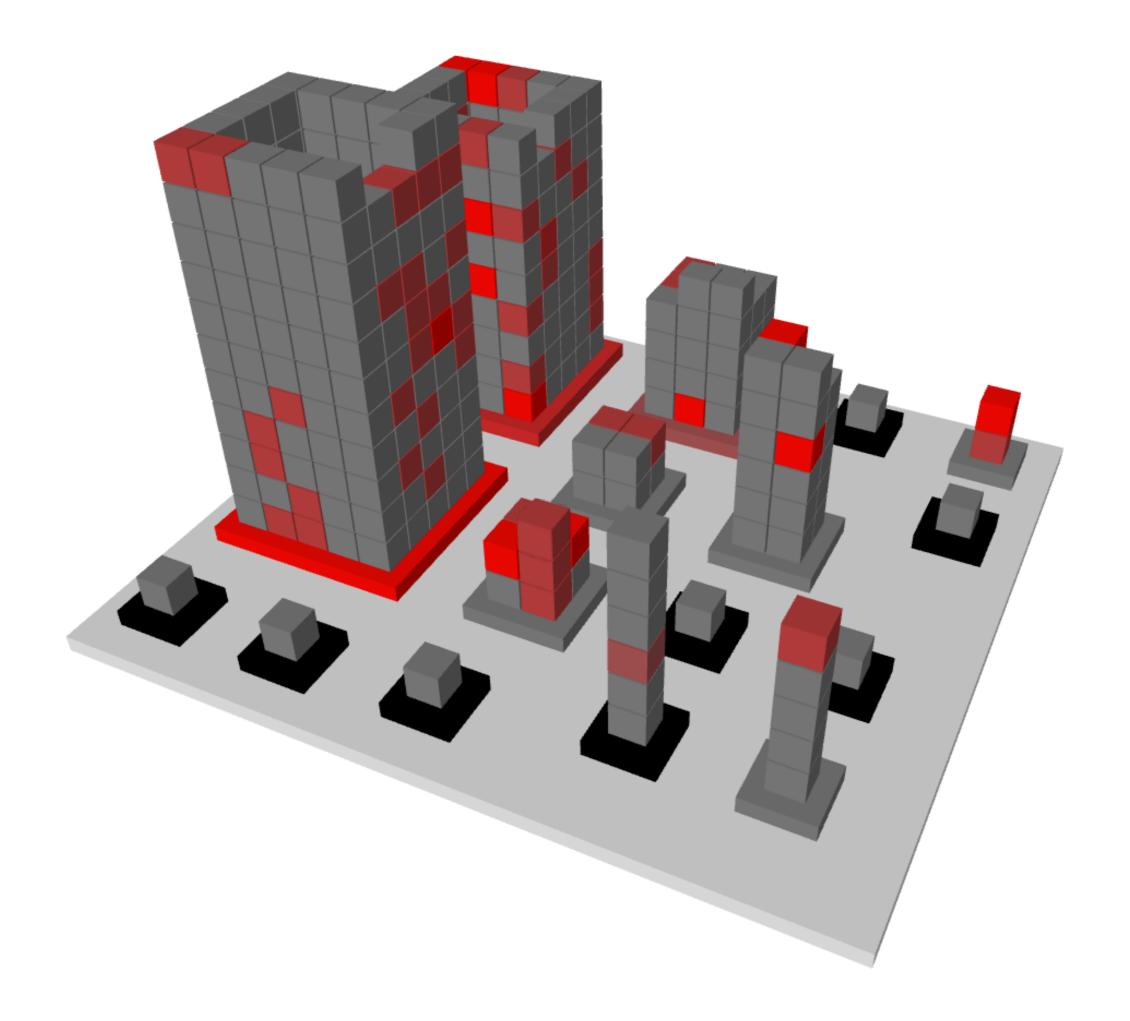
		Calact packages		
× - 🗆		Select packages		•
DevFlow-Ul (12c 182m) DevFlow-Uploader (3c 12m) DevFlow-Utils (62c 586m) EmbeddedFreeType (6c 47m) EmbeddedFreeType-Tests (2c 5m EmergencyEvaluator (1c 22m) Epicea (128c 1,170m) FileSystem-Core (38c 658m) FileSystem-Disk (9c 113m) FileSystem-Disk (9c 113m) FileSystem-Tests-Core (21c 305m FileSystem-Tests-Core (21c 305m FileSystem-Tests-Disk (3c 10m) FileSystem-Tests-Disk (3c 10m) FileSystem-Tests-Memory (2c 4m) FileSystem-Tests-Memory (2c 4m) FileSystem-Tests-Memory (2c 4m) FileSystem-Tests-Memory (2c 4m) FileSystem-Tests-Memory (2c 4m) FileSystem-Tests (3c 10m) FontChooser (4c 120m) FontChooser (4c 120m) FontInfrastructure (5c 151m) FontInfrastructure (5c 151m) FontInfrastructure-Tests (2c 3m) FreeType (38c 529m) FreeType (38c 529m) FreeType Tests (1c 26m) Fuel (125c 583m) FuelCommandLineHandler (1c 8m FuelSystem-FileRegistry (1c 2m) FuelTools-Debugger (1c 8m) GT-Inspector (15c 155m) GT-Inspector (15c 155m) GT-Inspector Extensions-Core (14 GT-Playground (20c 154m) GT-Spotter (84c 928m) GT-Spotter EventRecorder (17c 2 GT-SpotterExtensions-Core (57c 10))) 7c 258m) 28m)	DevFlow-Profile	ers (24c 119m)	
Add	Add All	Remove	Remove All	Next

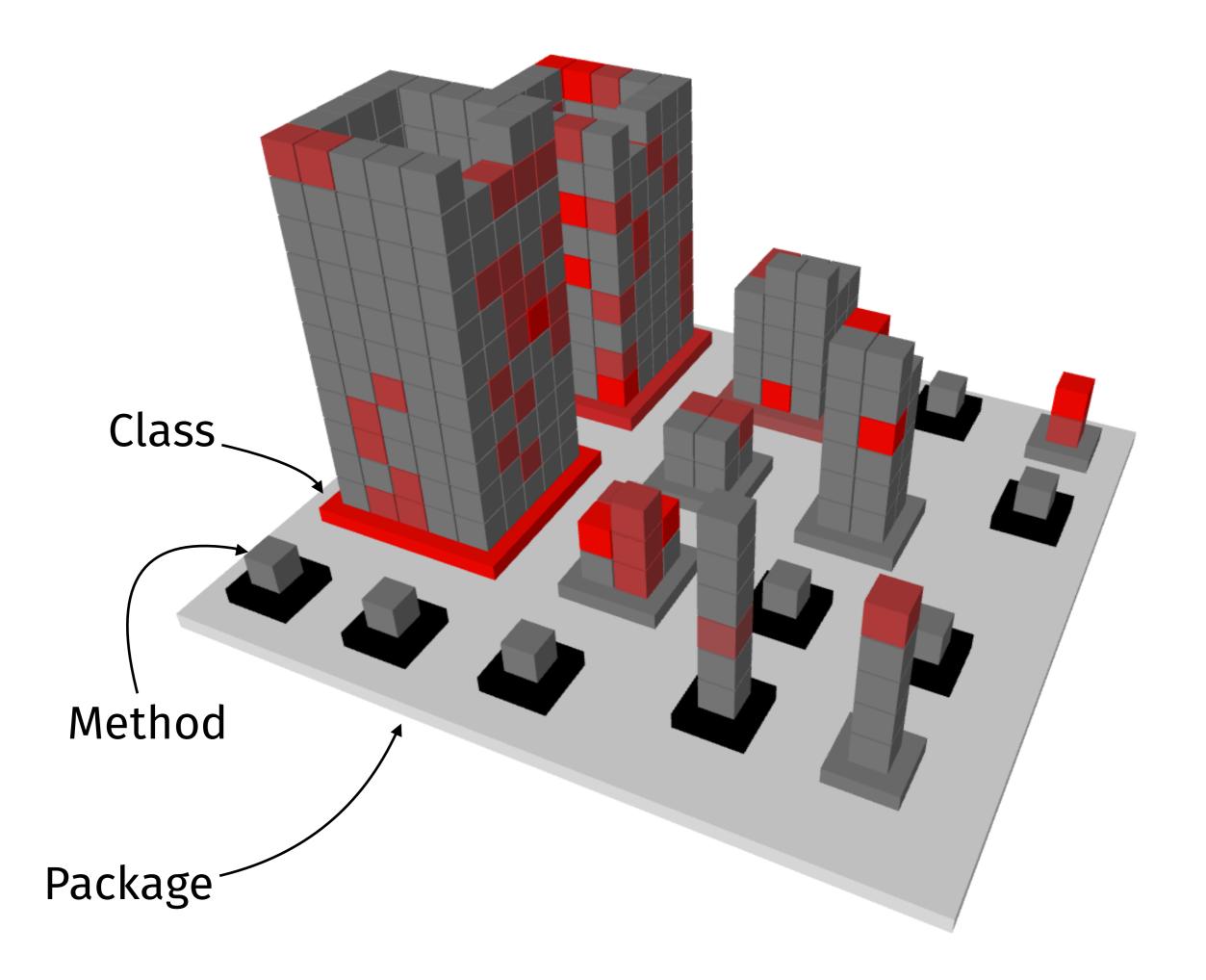
Select packages

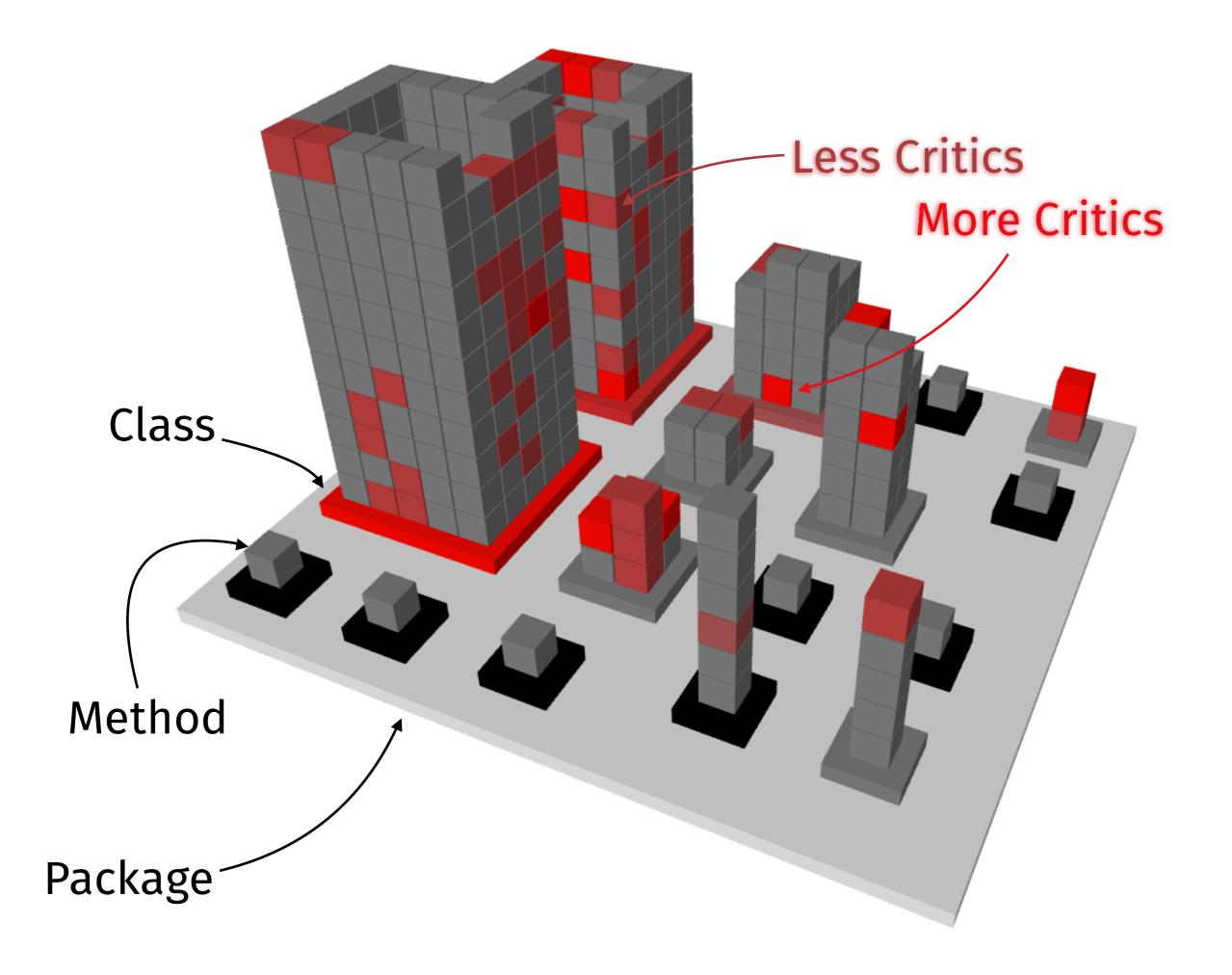
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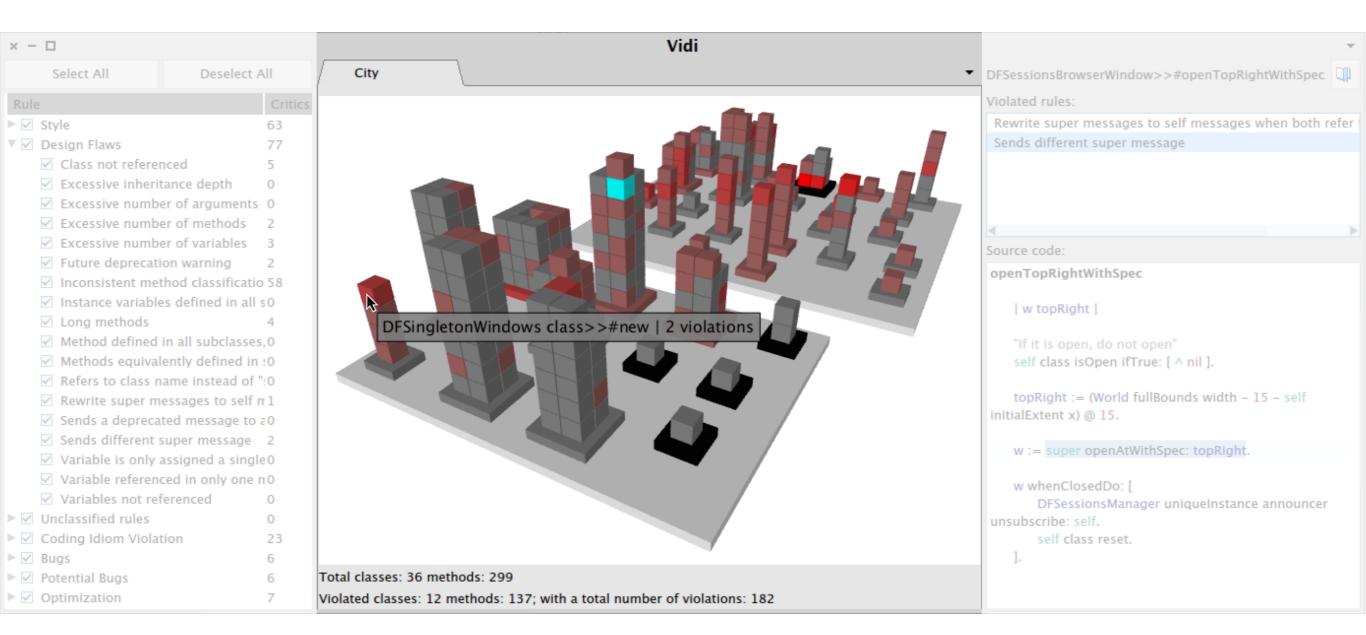


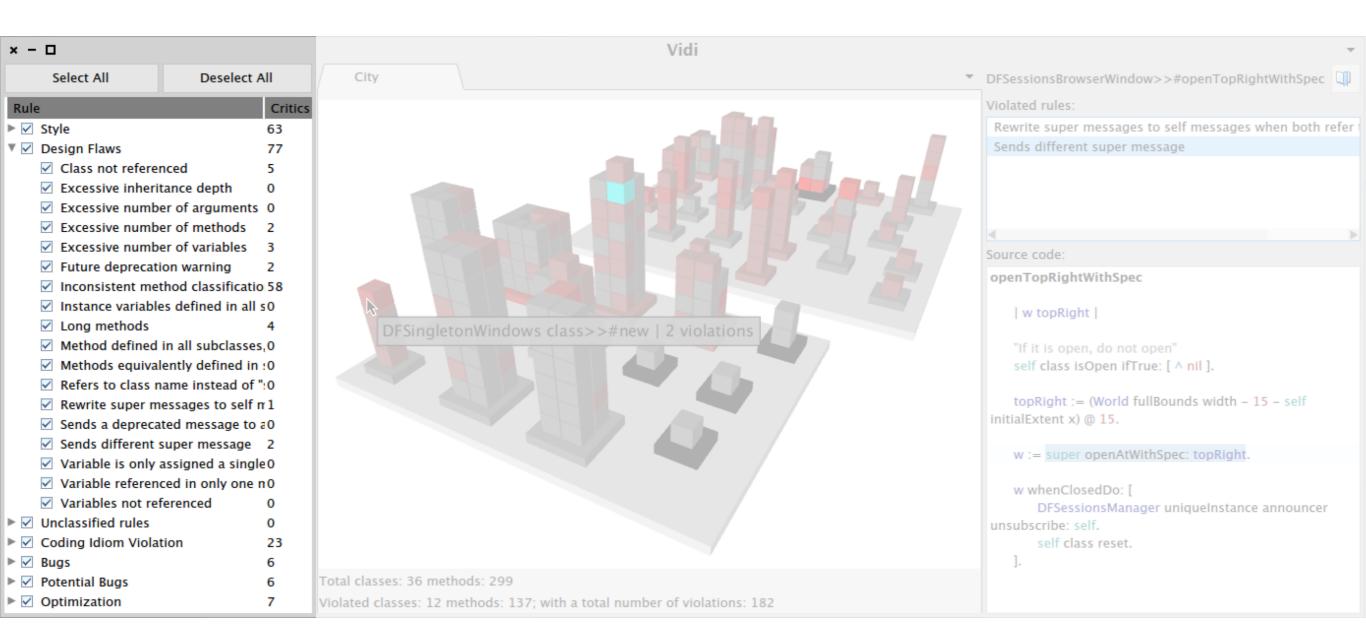




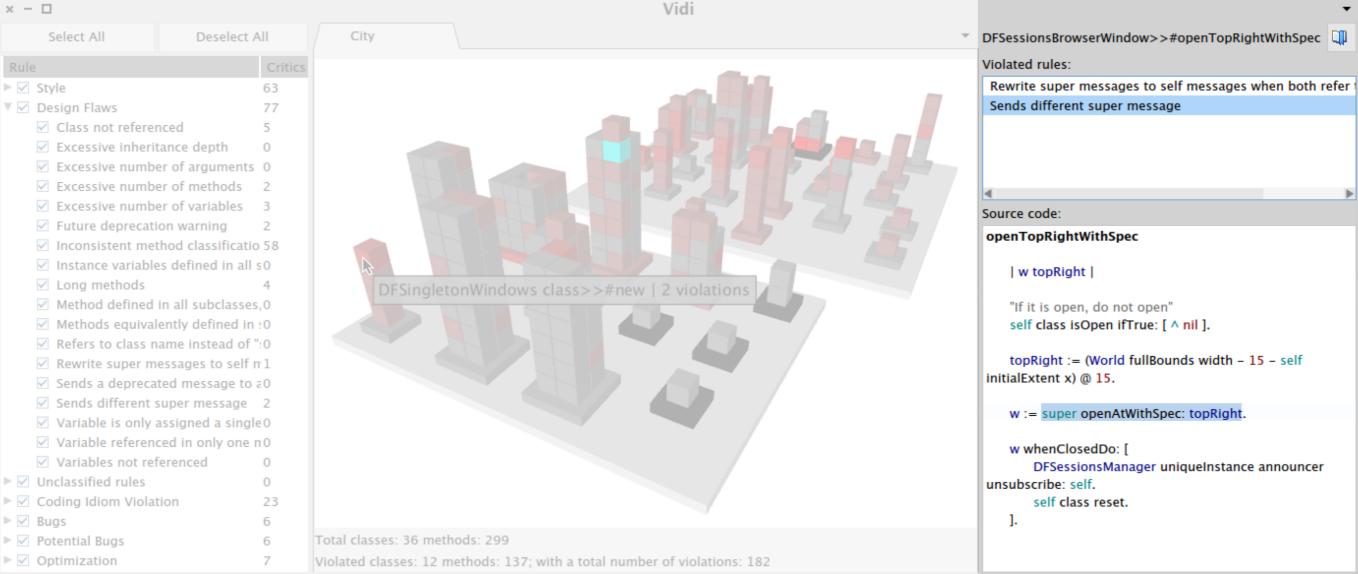


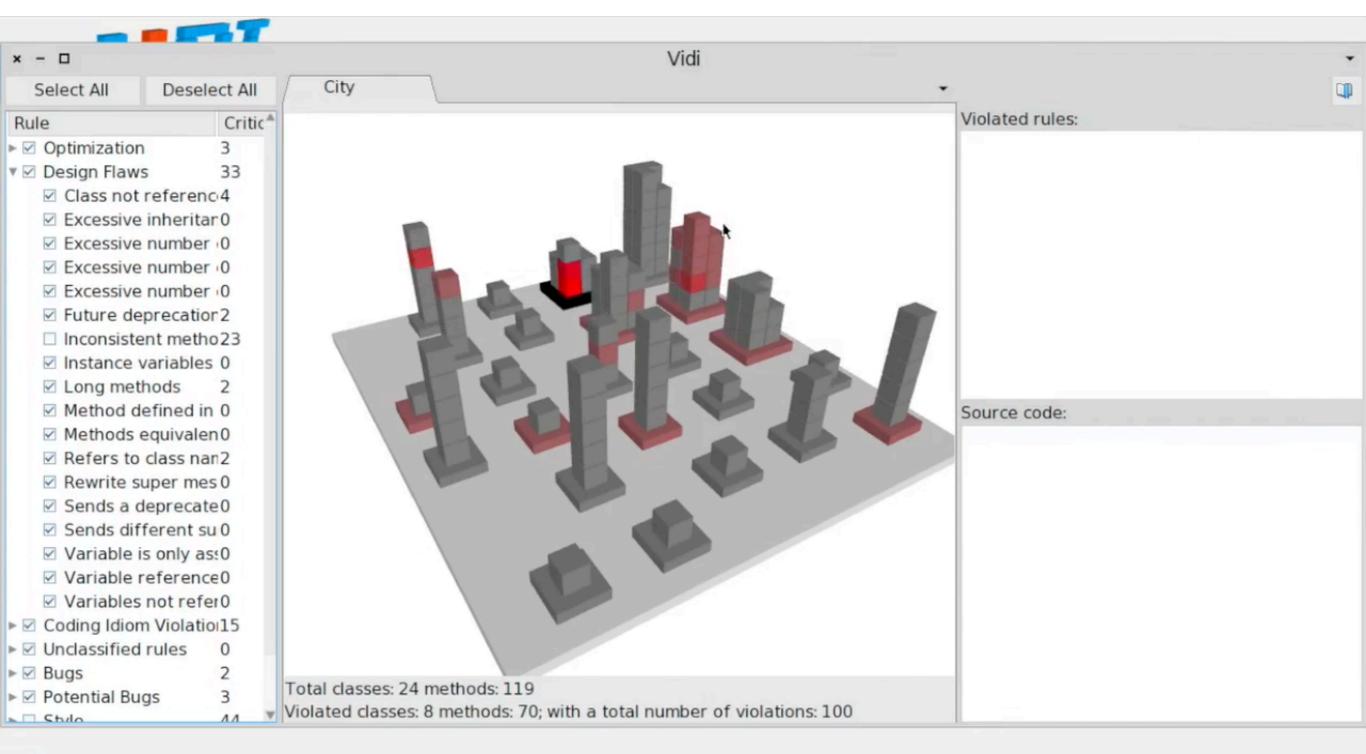


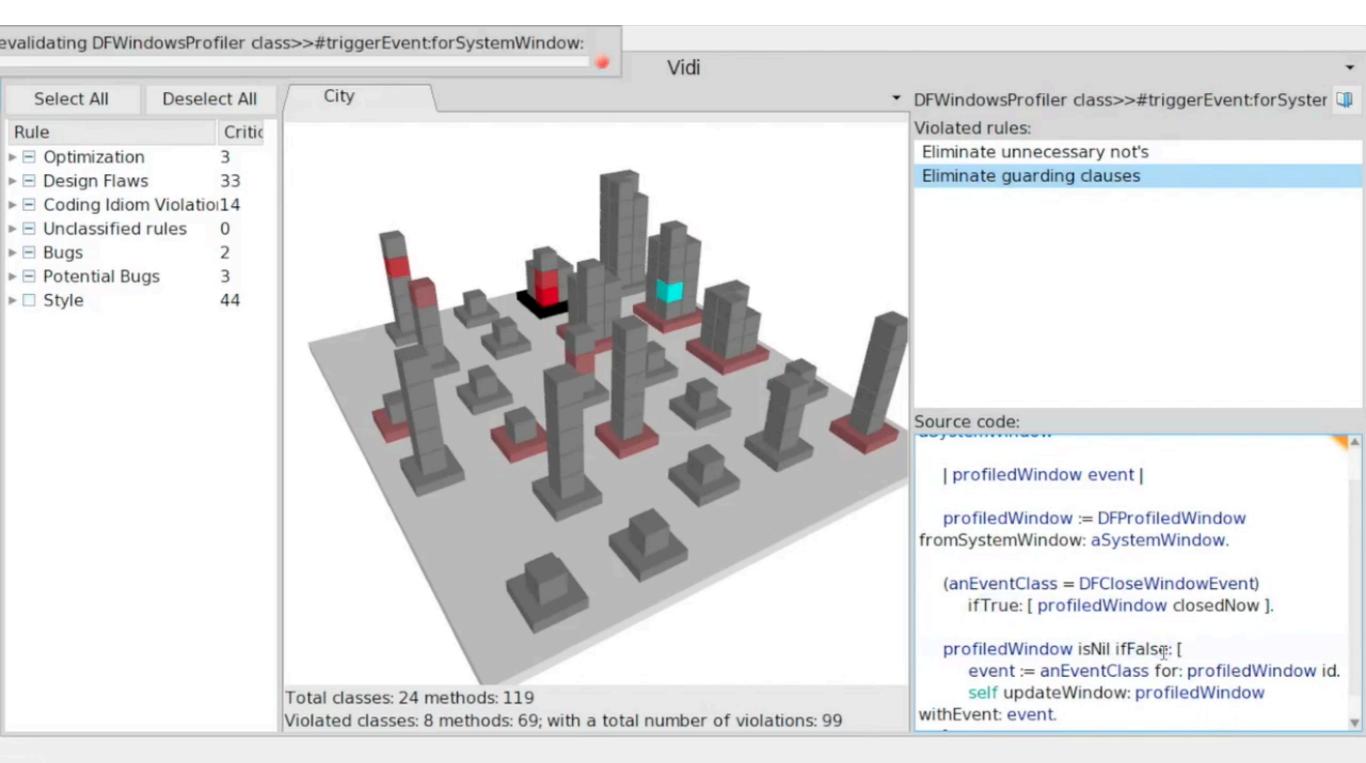




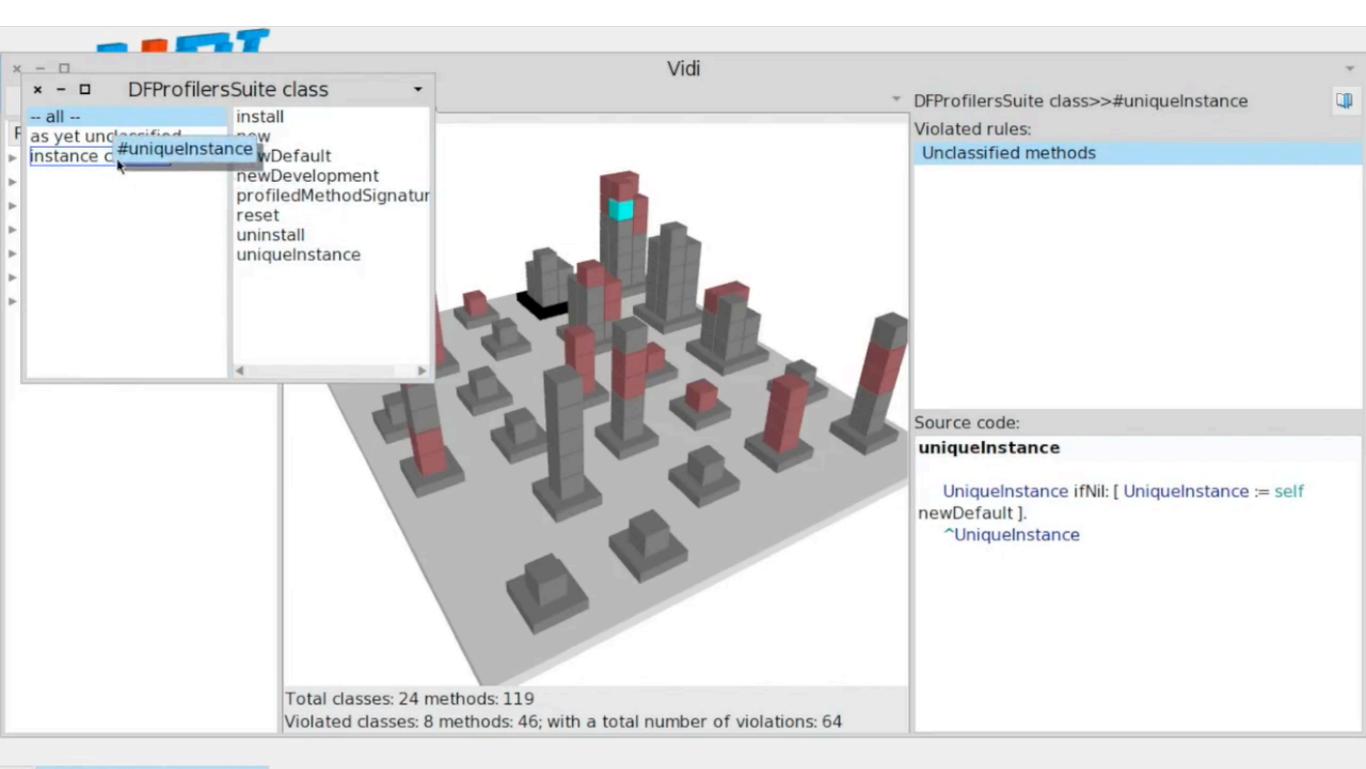
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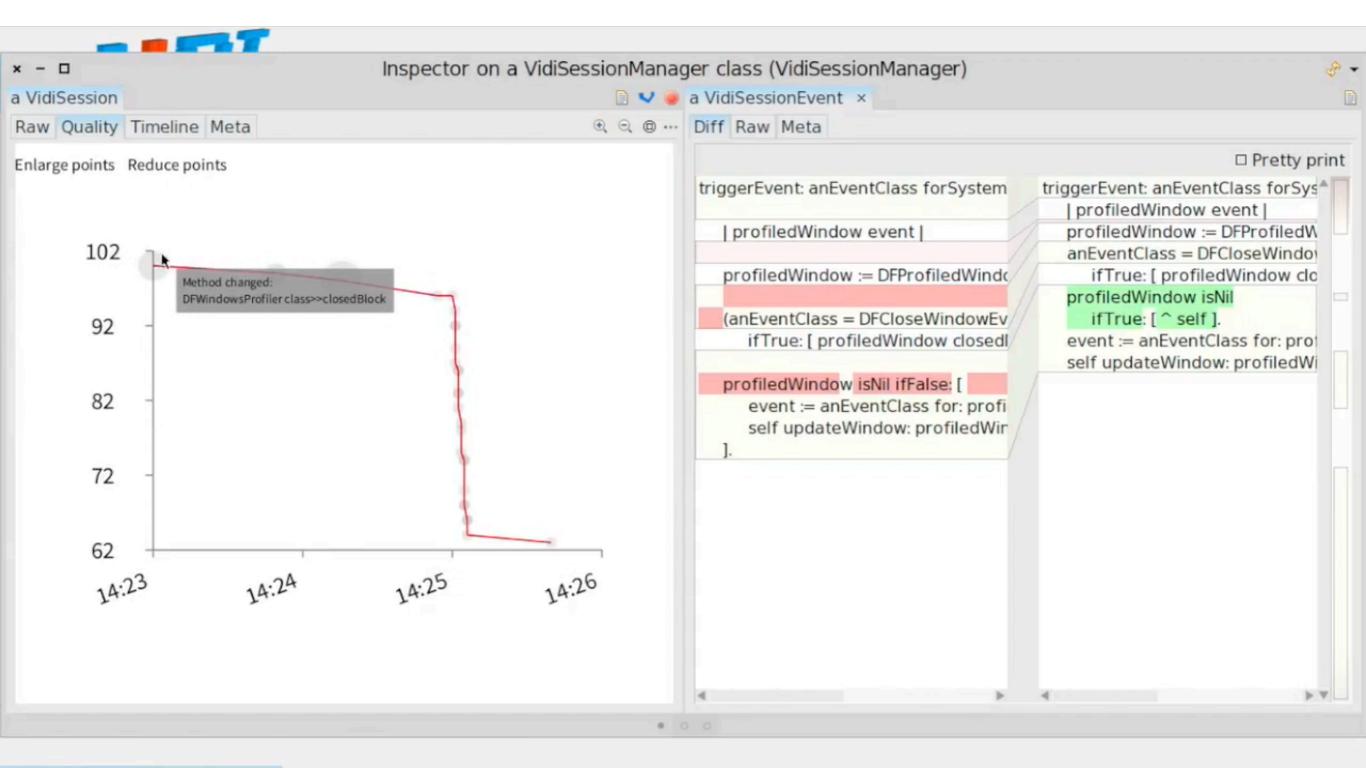




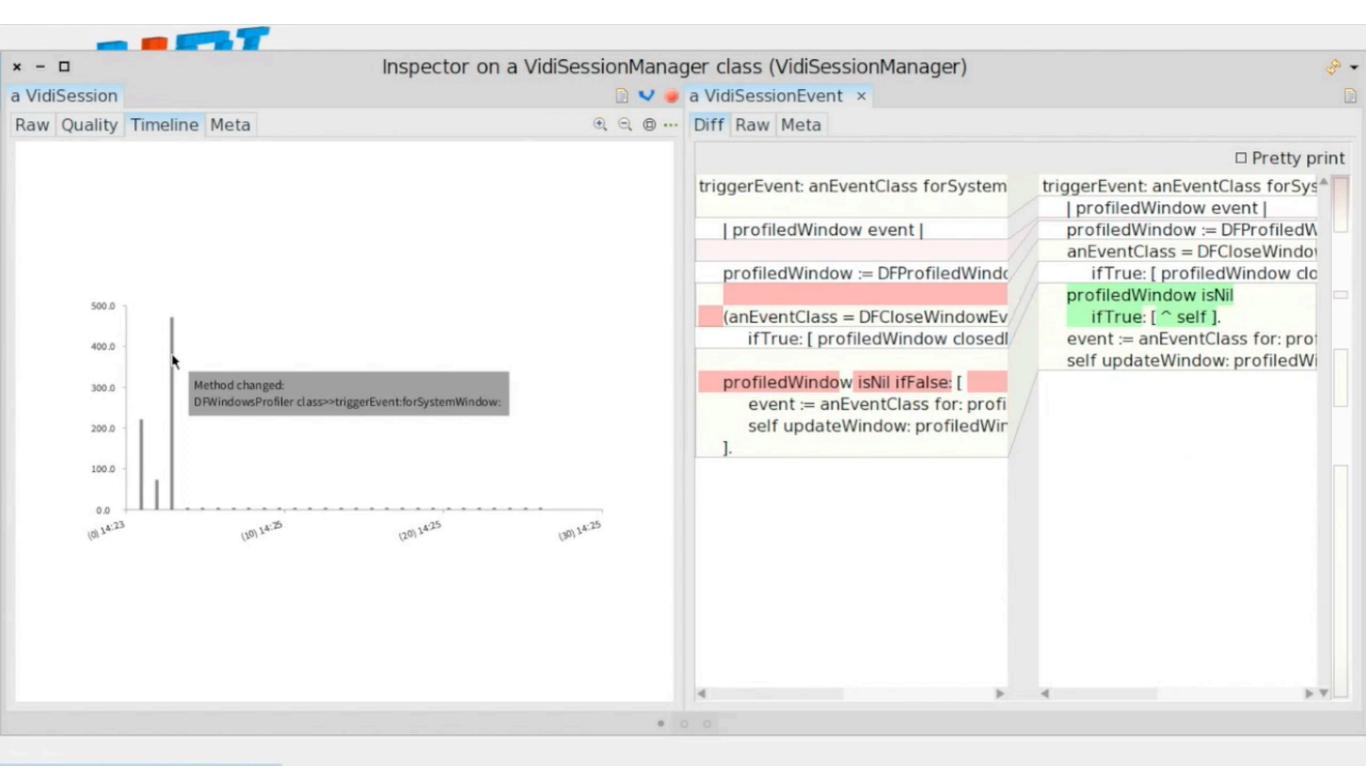
Vidi



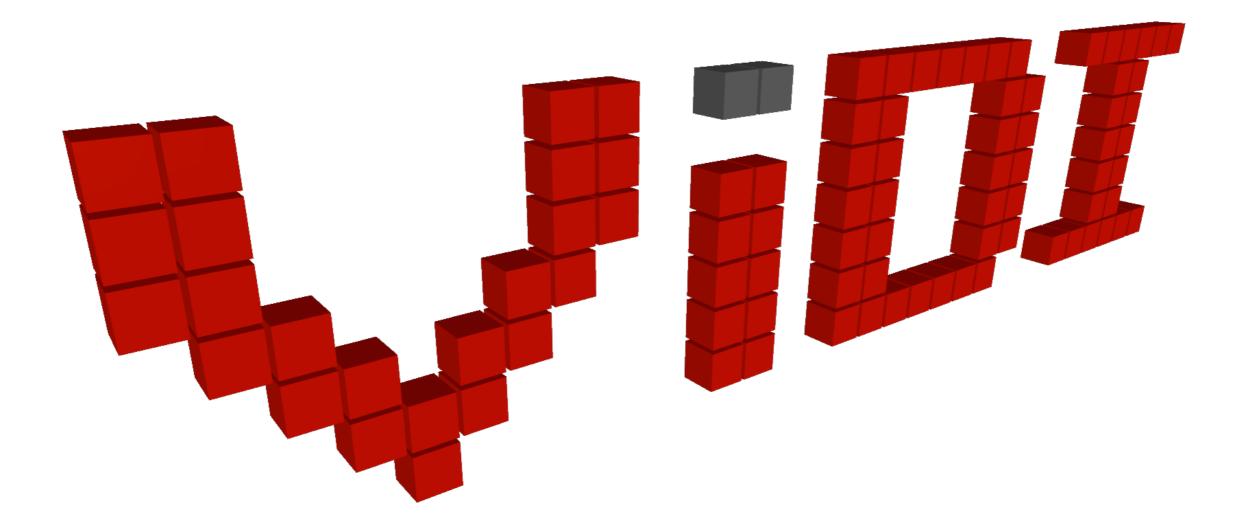
Vidi DFProfilersSuite class



Inspector on a VidiSessionM...

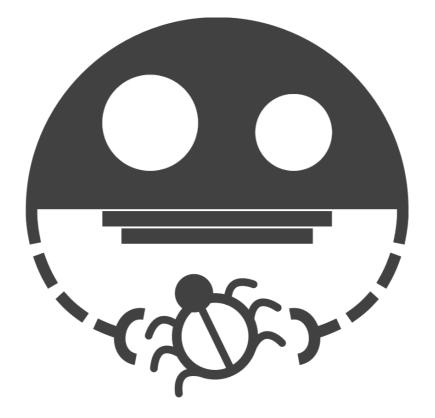


Inspector on a VidiSessionM...

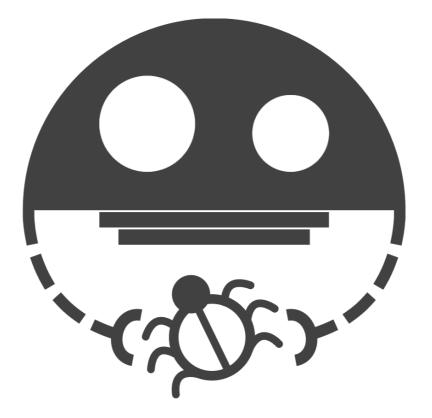


http://yuriy.tymch.uk/Vidi/

QualityAssistant



QualityAssistant



1.0



Quality Assurance Engineer



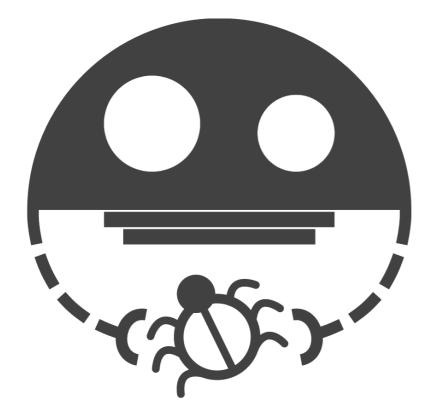
Quality Assurance Engineer

"Our QA is carrying his son"

"Our QA has a birthday today"

"The QA will check my patch"

Quality Assistant



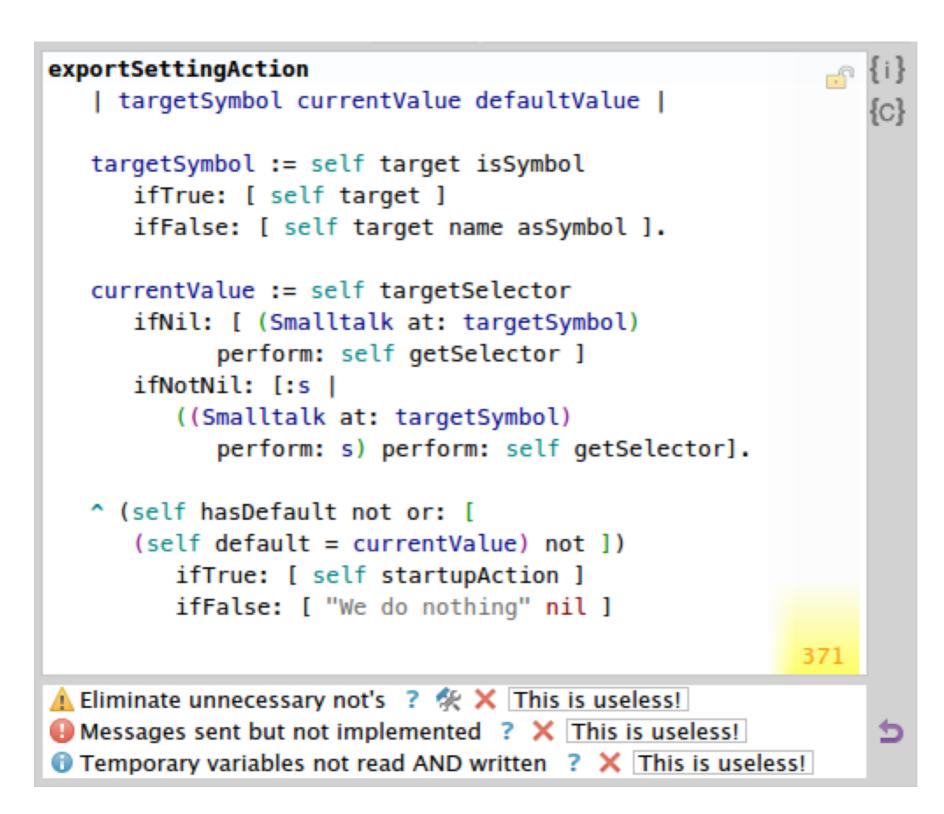
QA criticsOf: aClass
QA revalidate: aMethod

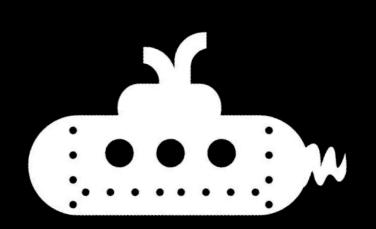




Nautilus Inspector Spotter







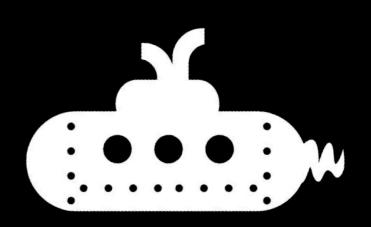
Nautilus



```
exportSettingAction
    | targetSymbol currentValue defaultValue |
    targetSymbol := self target isSymbol
       ifTrue: [ self target ]
       ifFalse: [ self target name asSymbol ].
    currentValue := self targetSelector
       ifNil: [ (Smalltalk at: targetSymbol)
             perform: self getSelector ]
       ifNotNil: [:s |
          ((Smalltalk at: targetSymbol)
             perform: s) perform: self getSelector].
    ^ (self hasDefault not or: [
       (self default = currentValue) not ])
          ifTrue: [ self startupAction ]
          ifFalse: [ "We do nothing" nil ]

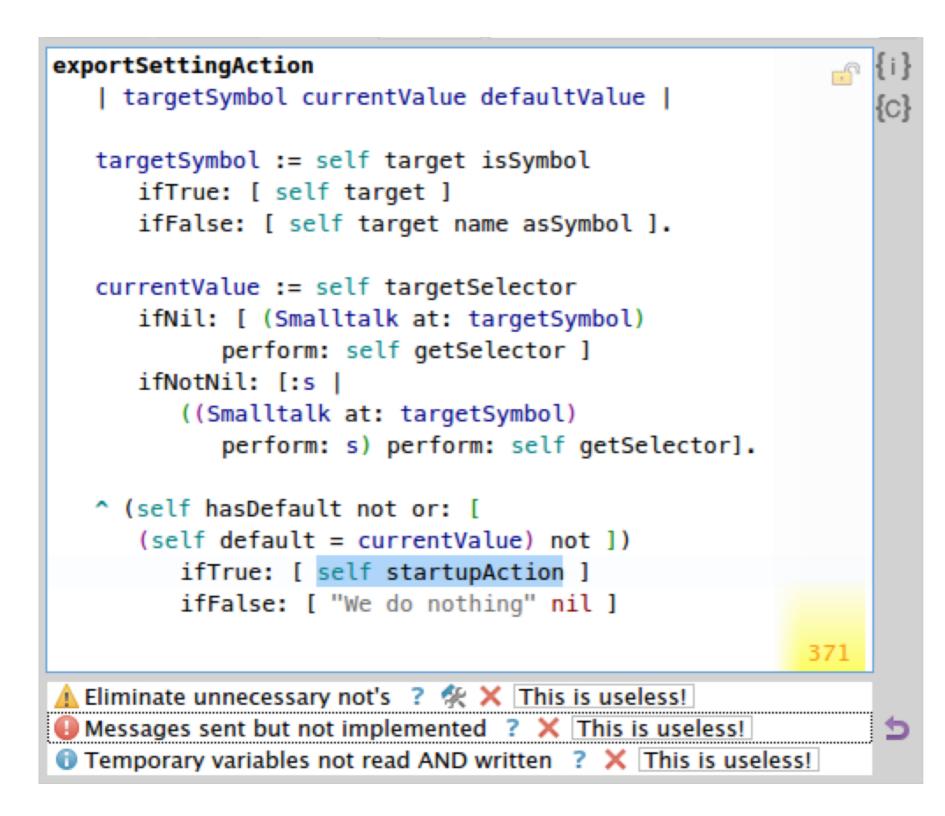
    Information

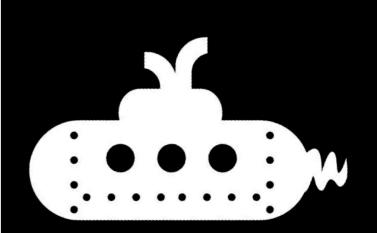
   Warning<sup>essary not's</sup> ? * × This is useless!
                  t not implemented ? 🗙 This is useless!
   \mathbf{E} F CO F y variables not read AND written ? \mathbf{X} This is useless!
```



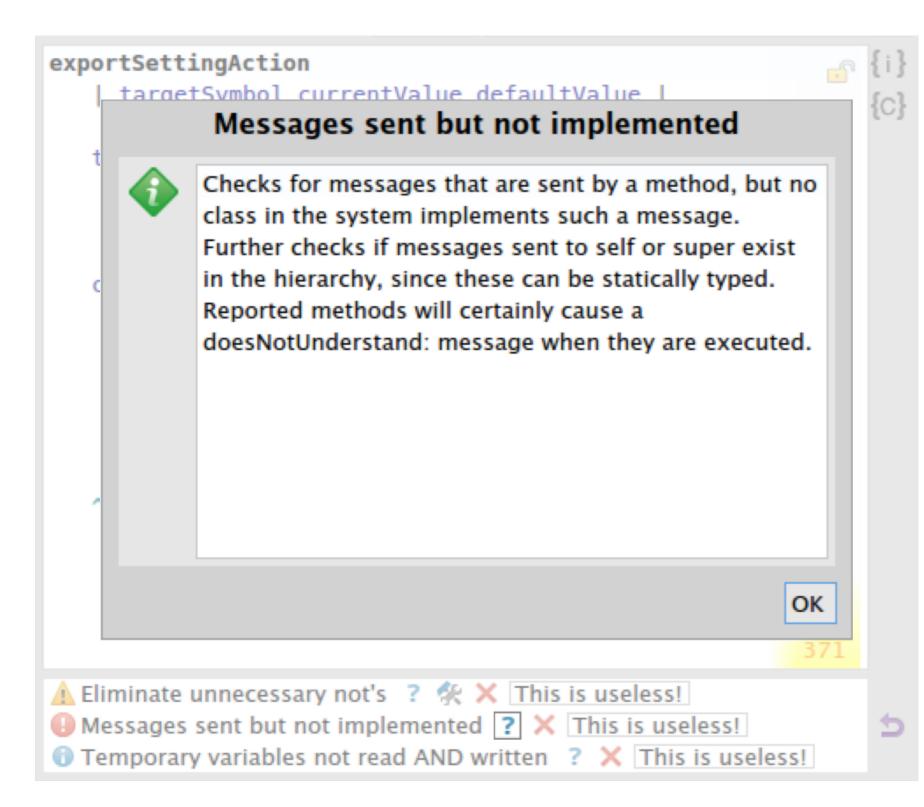
Nautilus

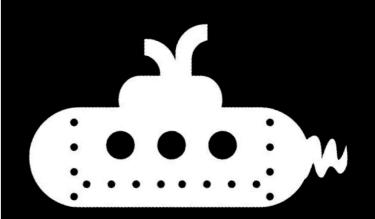






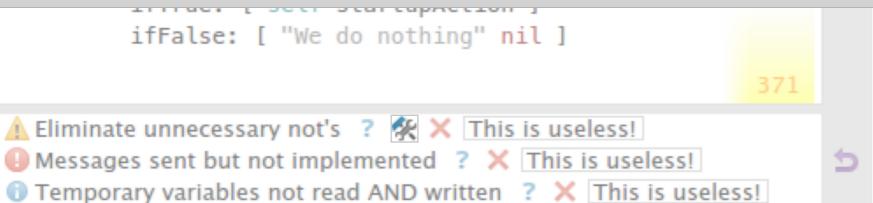


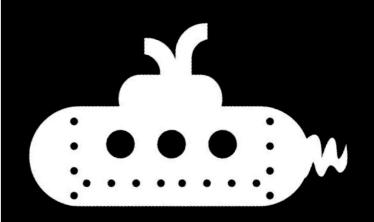




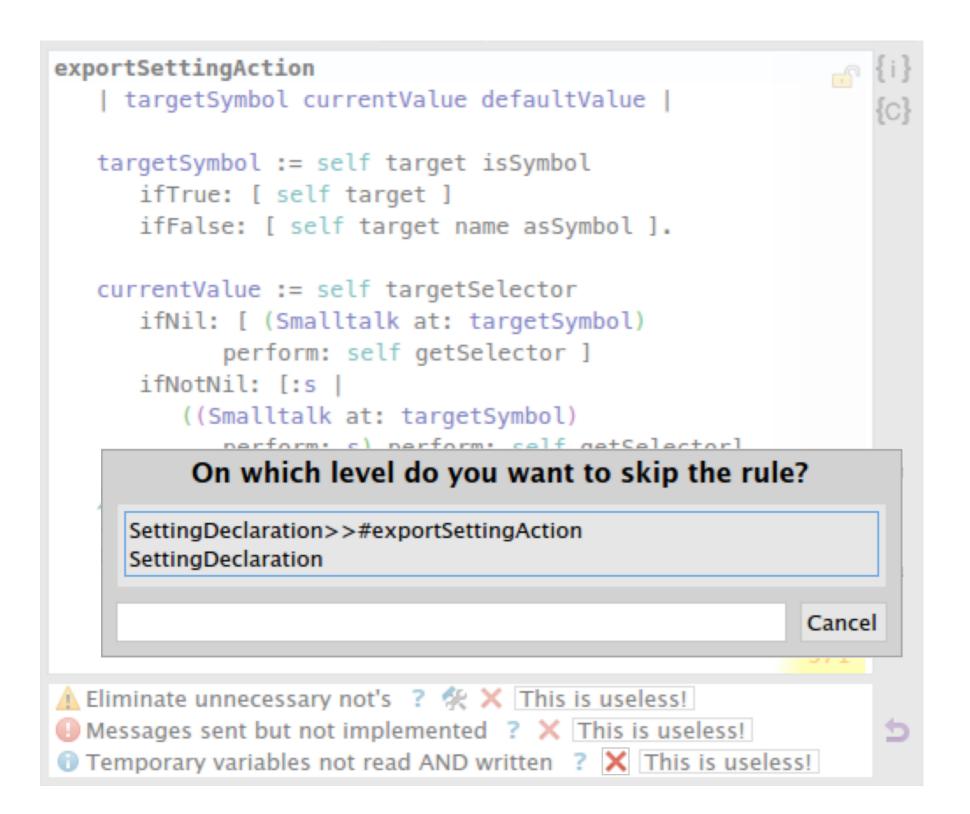


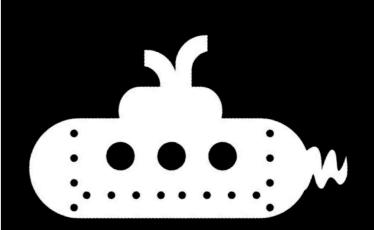
Apply the proposed changes? Pretty print bn. currentValue defaultValue | rentValue defaultValue | = self target isSymbol elf target isSymbol f target] rget] If target name asSymbol]. arget name asSymbol]. self targetSelector If targetSelector Iltalk at: targetSymbol) perform: self getSelector] lk at: targetSymbol) perform: self getSelector] 5 | ((Smalltalk at: targetSymbol) perform: s) perform: (Smalltalk at: targetSymbol) perform: s) perforn ult not or: [(self default = currentValue) not]) not or: [self default ~= currentValue]) f startupAction] artupAction] nothing" hing" Ok Cancel o car caprecion





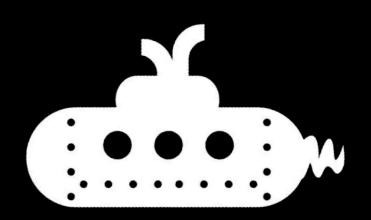




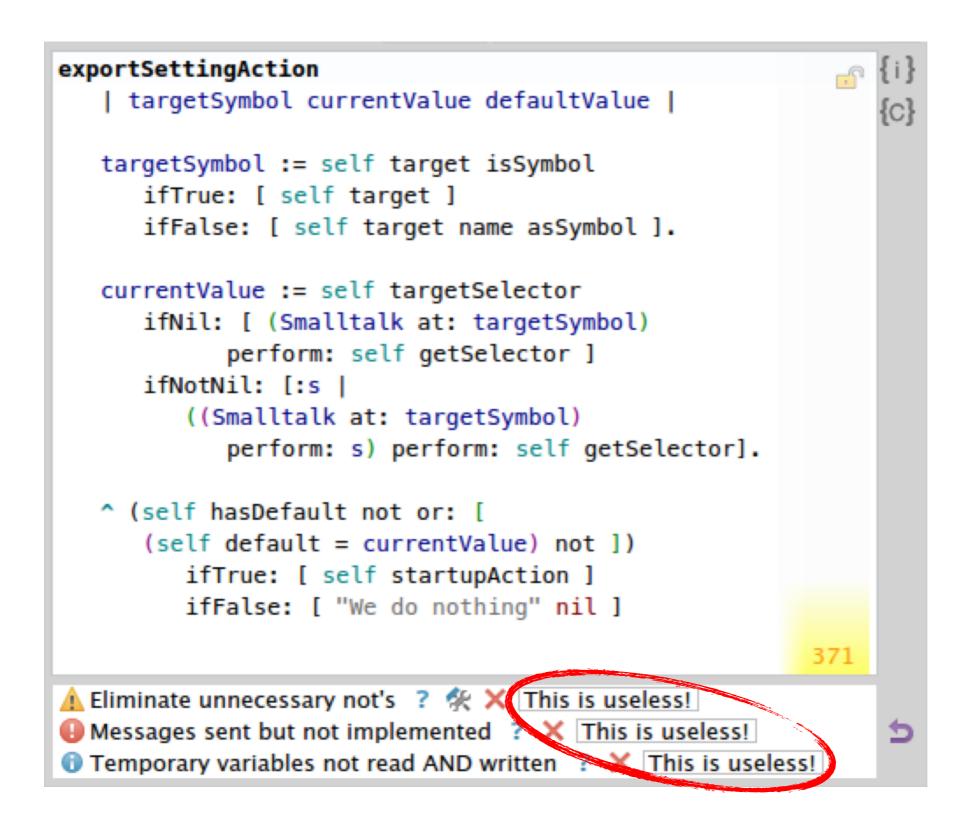


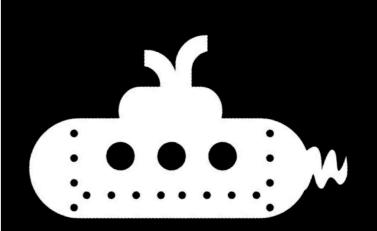




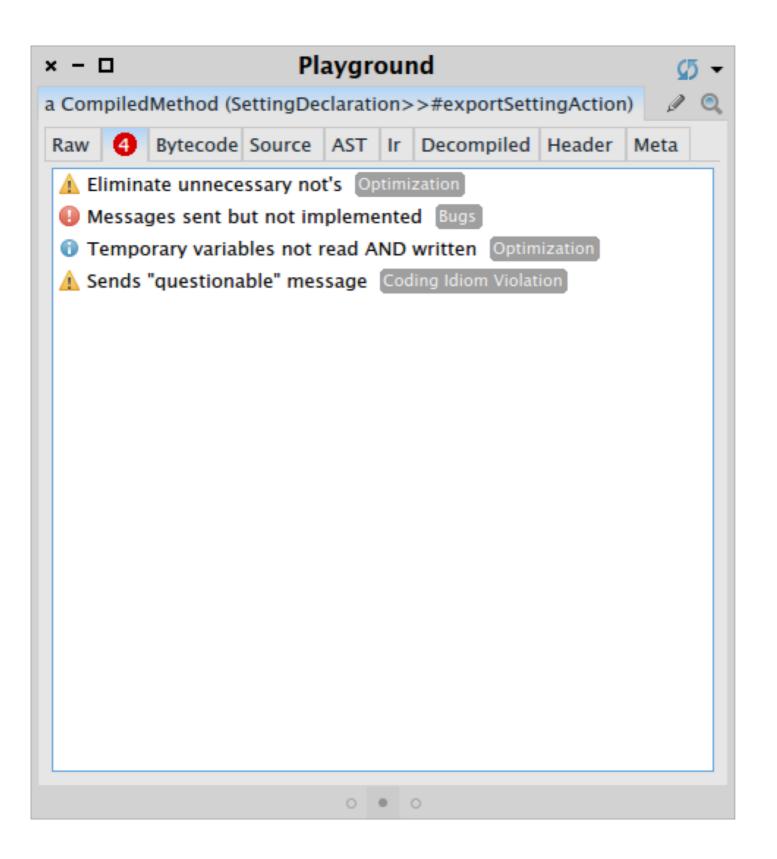






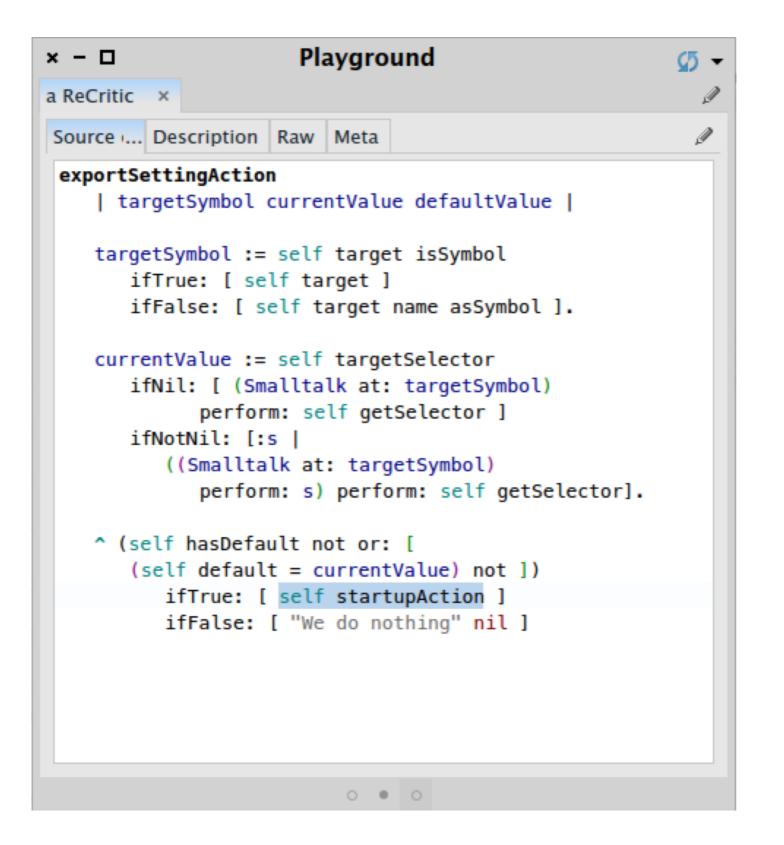






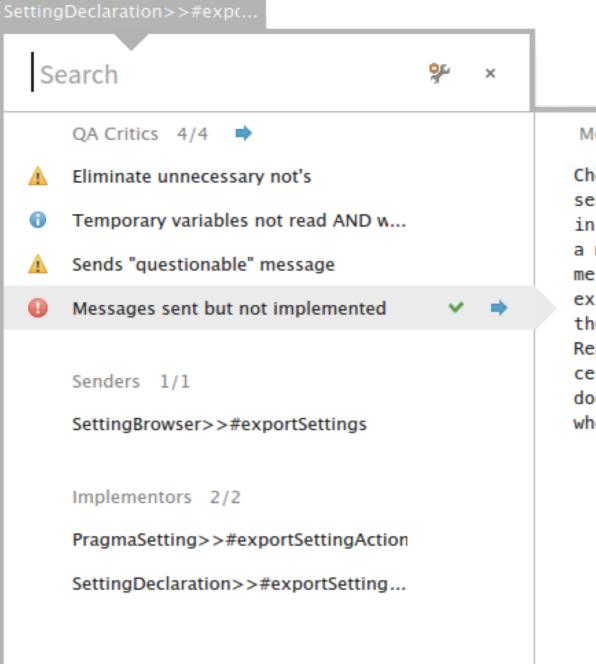
Inspector





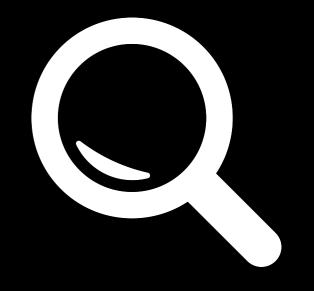
Inspector





Messages sent but not implemented

Checks for messages that are sent by a method, but no class in the system implements such a message. Further checks if messages sent to self or super exist in the hierarchy, since these can be statically typed. Reported methods will certainly cause a doesNotUnderstand: message when they are executed.



Spotter





Nautilus Inspector Spotter

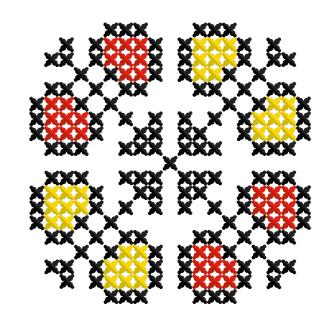




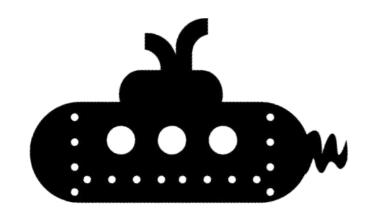
Nautilus Inspector Spotter



Renraku







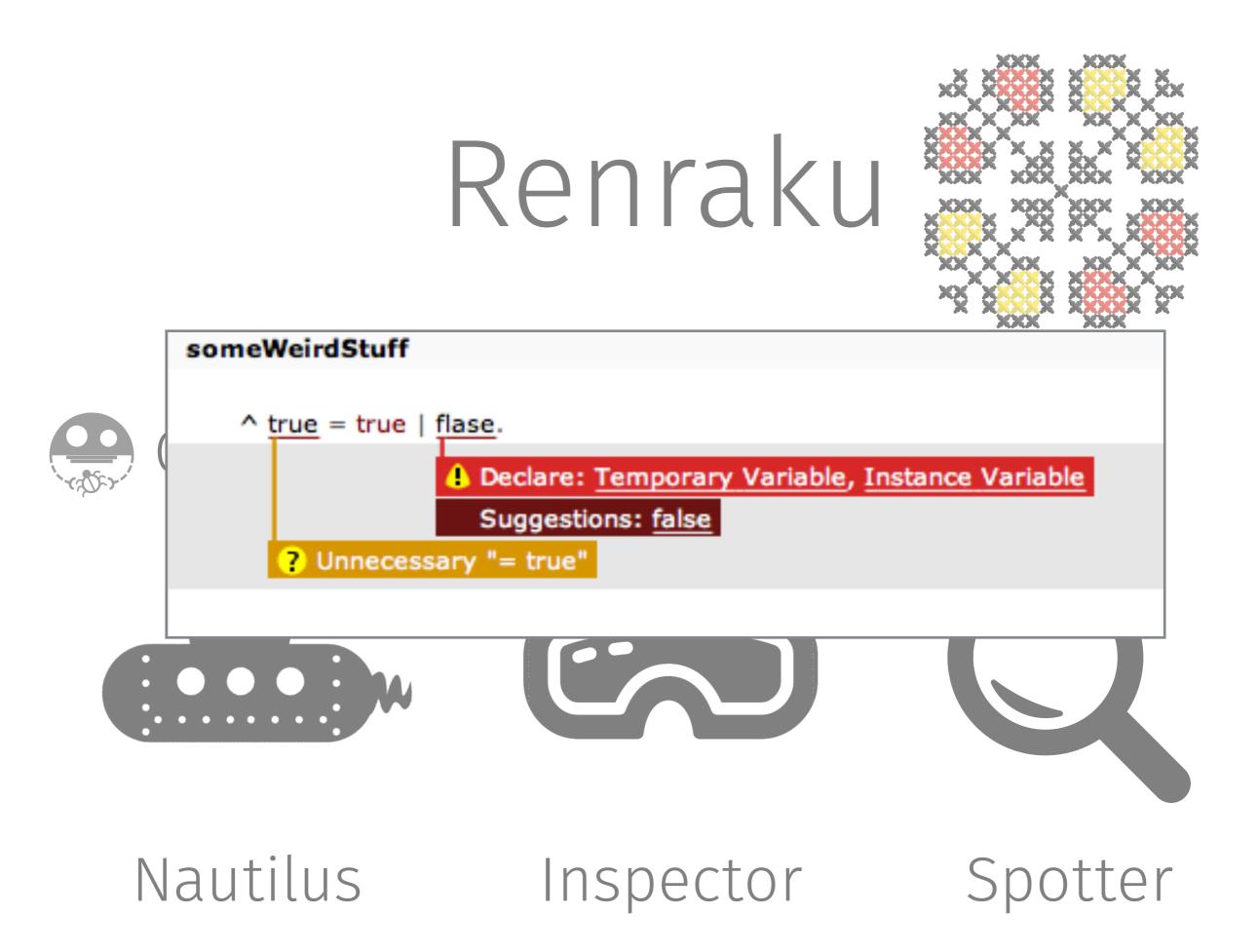




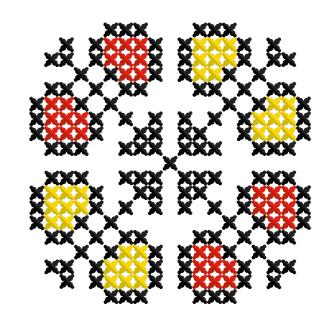
Nautilus

Inspector

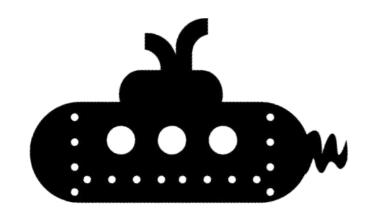
Spotter



Renraku











Nautilus

Inspector

Spotter





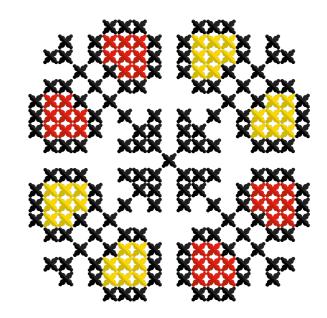
Mautilus+	🔊 Inspector	Q Spotter

🛠 Debugger 🗈 Diff 🛛 🕲 Cl Server

CriticBrowser

https://github.com/Uko/QualityAssistant

Renraku

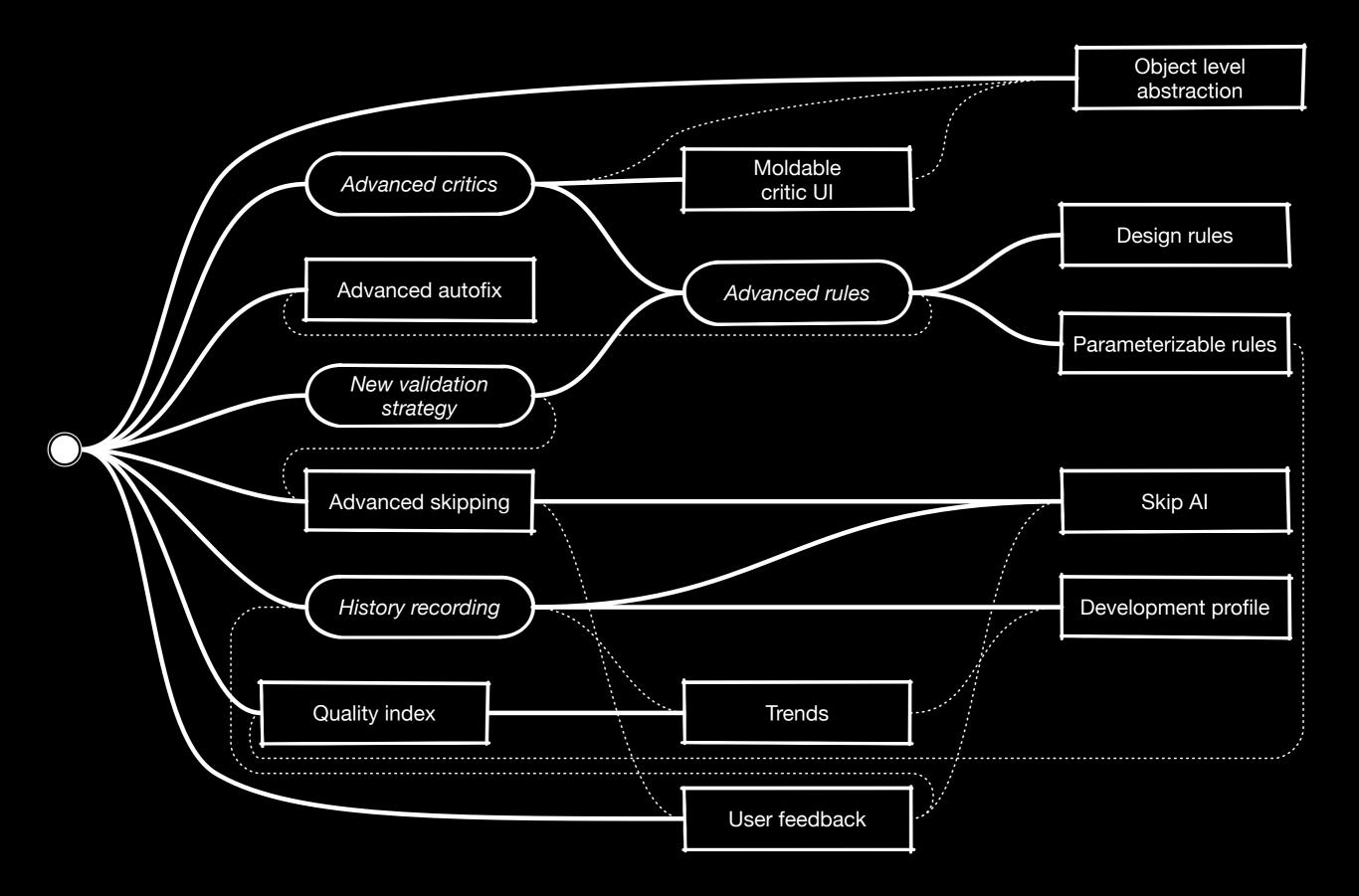




📥 Nautilus+ 🝘 Inspector 🔍 Spotter

🕷 Debugger 🗈 Diff 🛛 🕲 Cl Server

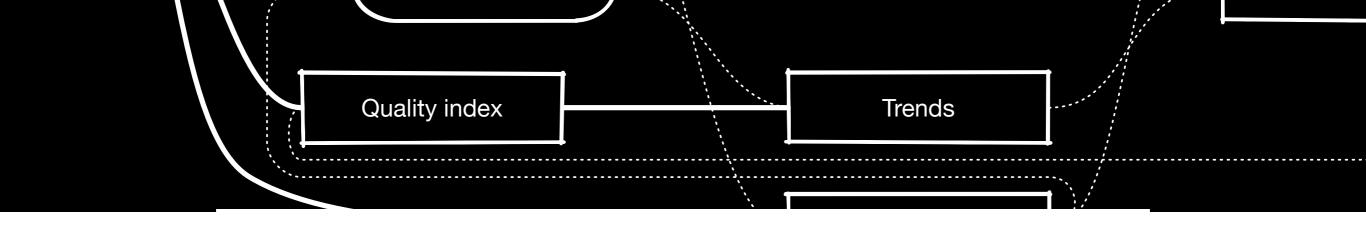
CriticBrowser

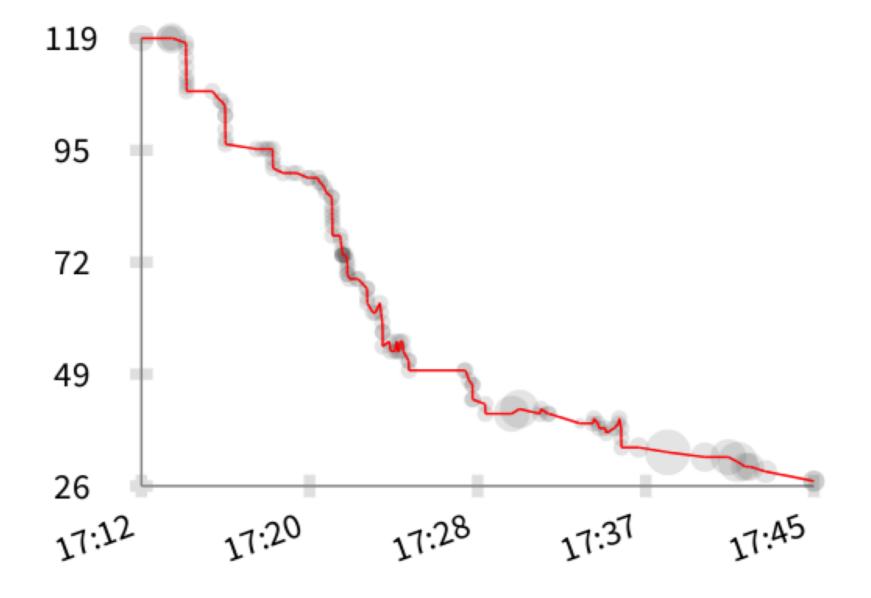


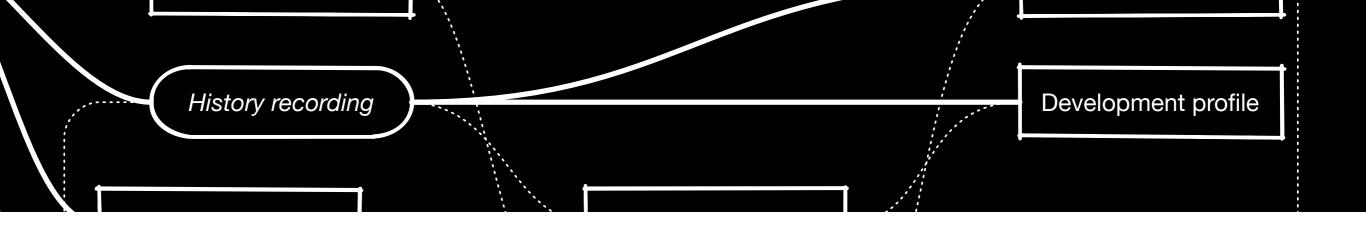


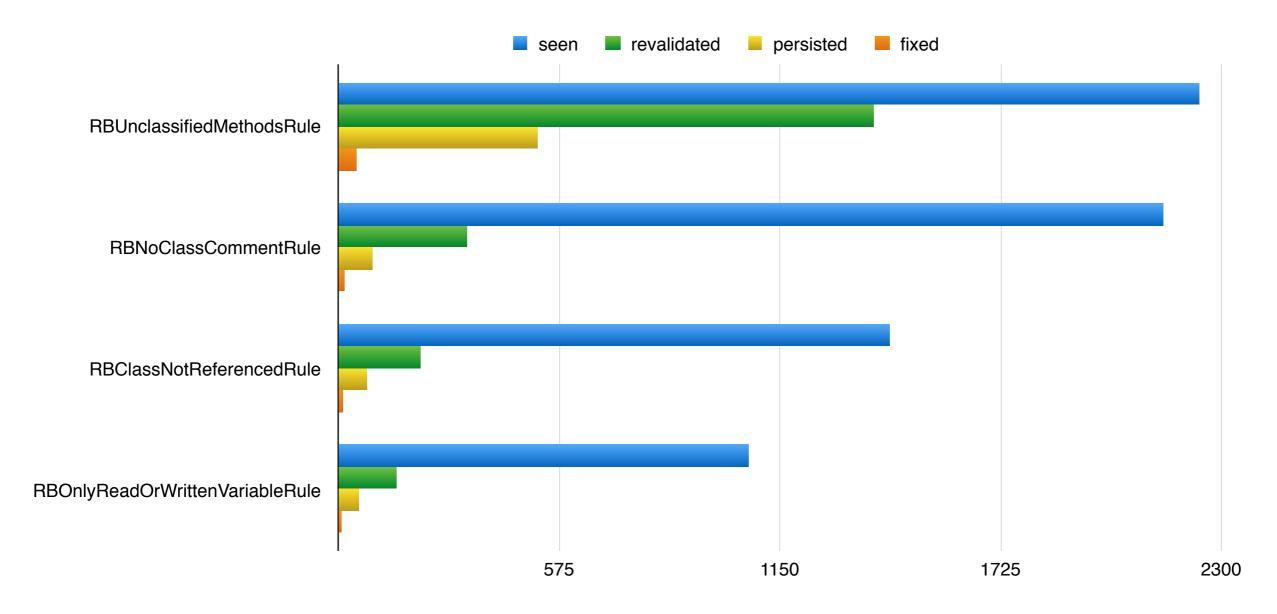
<pre>prepareRenderElement: edgeElement stateTracker: stateTracker</pre>	-P	▲{	{i}
builder vector1 vector2 point		1	[C]
<pre>builder := self lineBuilder: stateTracker.</pre>		-	[~]
<pre>vector1 := edgeElement from position.</pre>			
<pre>vector2 := edgeElement to position.</pre>	361	Ŧ	
🛕 Eliminate unnecessary not's ? 🛠 🗙 This is useless!			
Messages sent but not implemented ? X This is useless!			5
Temporary variables not read AND written X This is useless!			

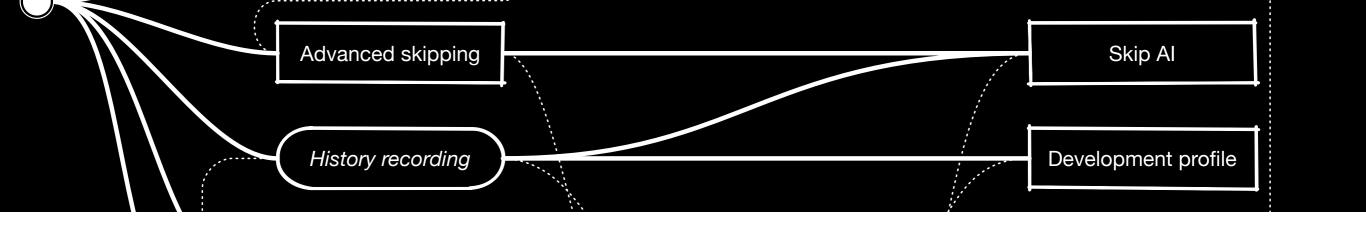
http://renraku.inf.usi.ch

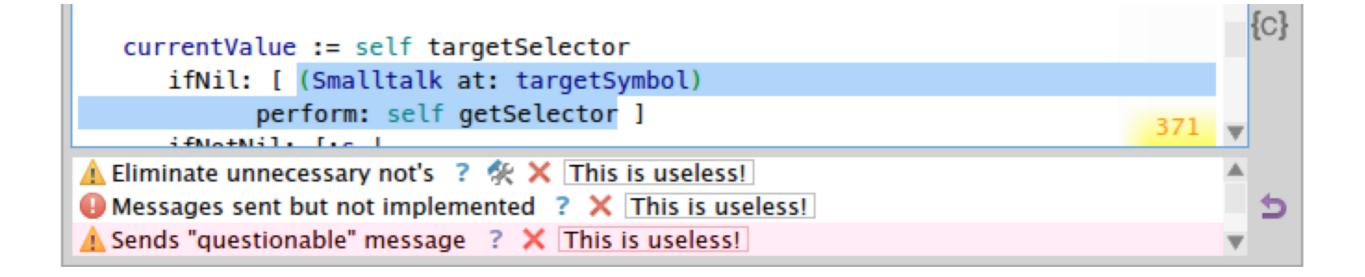


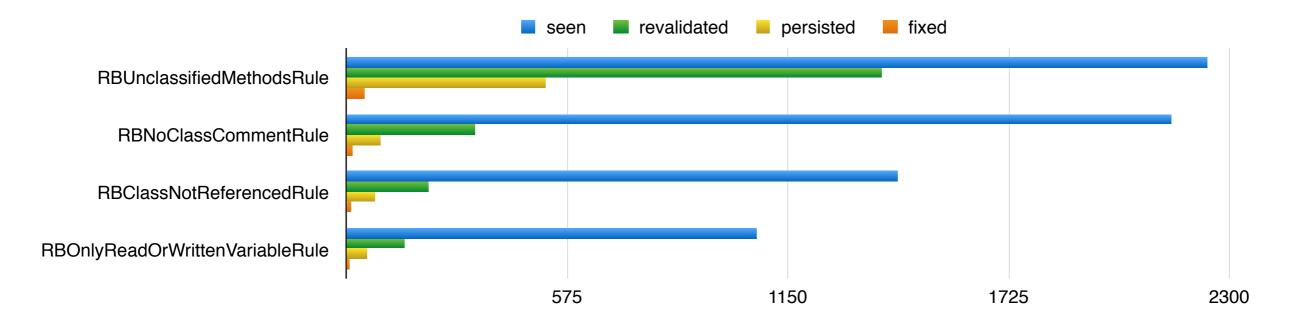












Advanced autofix

Ad

