

THE NEXT ITERATION OF ^{Lite} YOUR GUI

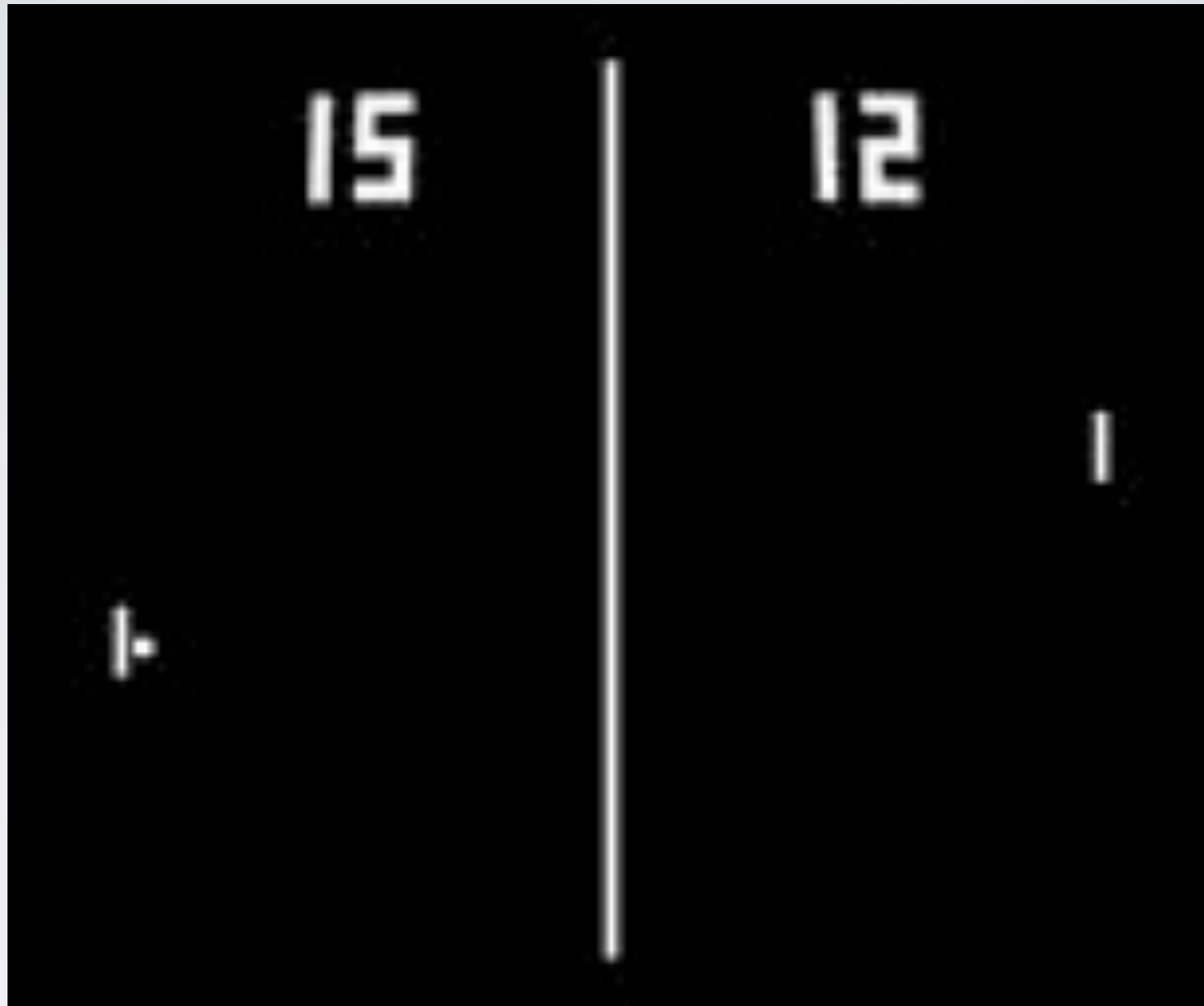
PEP 342 (Coroutines via Enhanced Generators)
PEP 380 (Syntax for Delegating to a Subgenerator)

PyBug

Python Belgian User Group

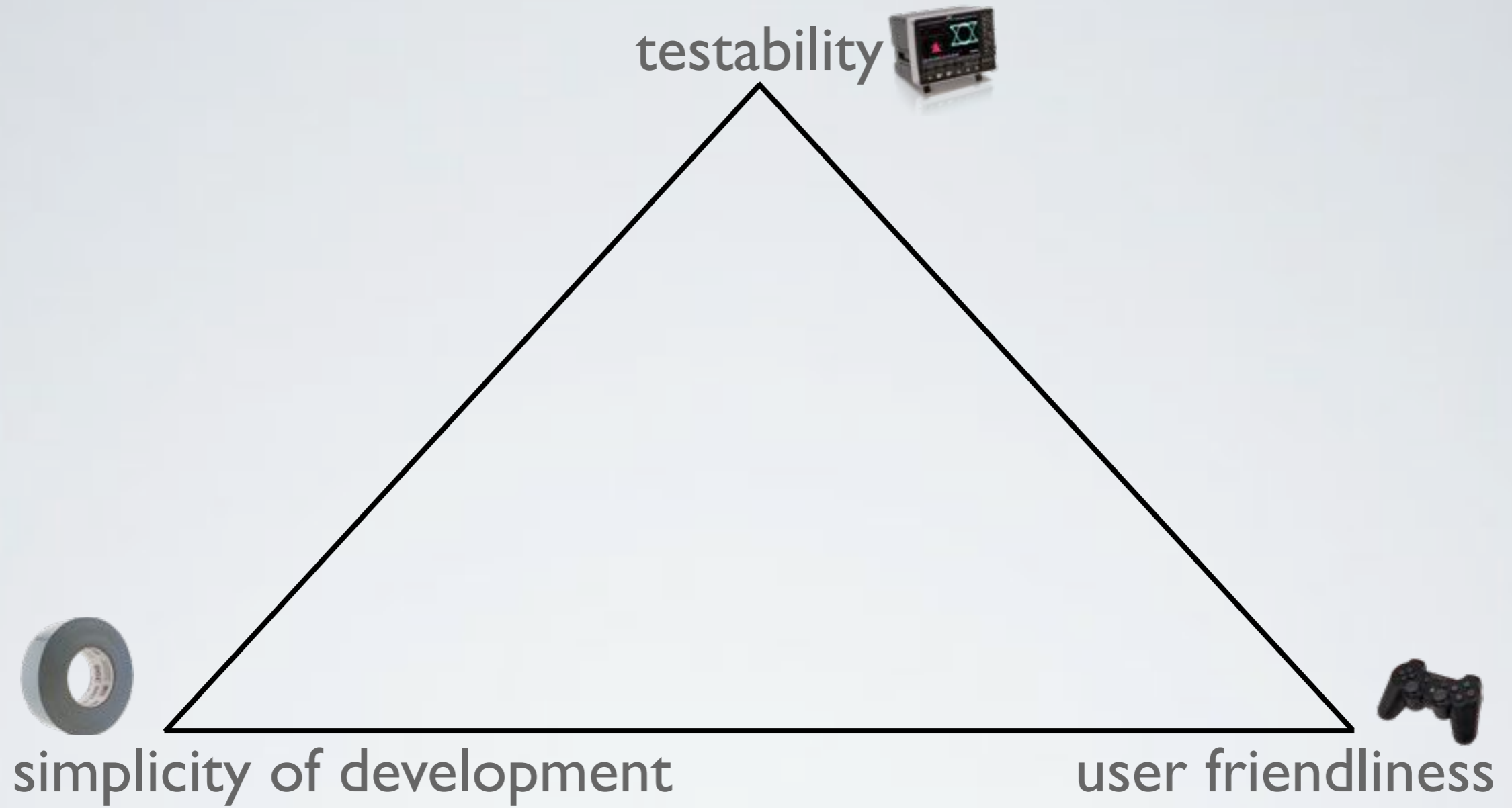


conceptive.be @erikjanss
shore.be @jeroendierckx



WHAT'S GOING ON

interaction



TRADEOFFS



TRADEOFFS

user friendliness

- use a progress indicator
- provide a cancel button
- respond to events
- similar controls as in other places



USER FRIENDLINESS

OSX human interface guidelines



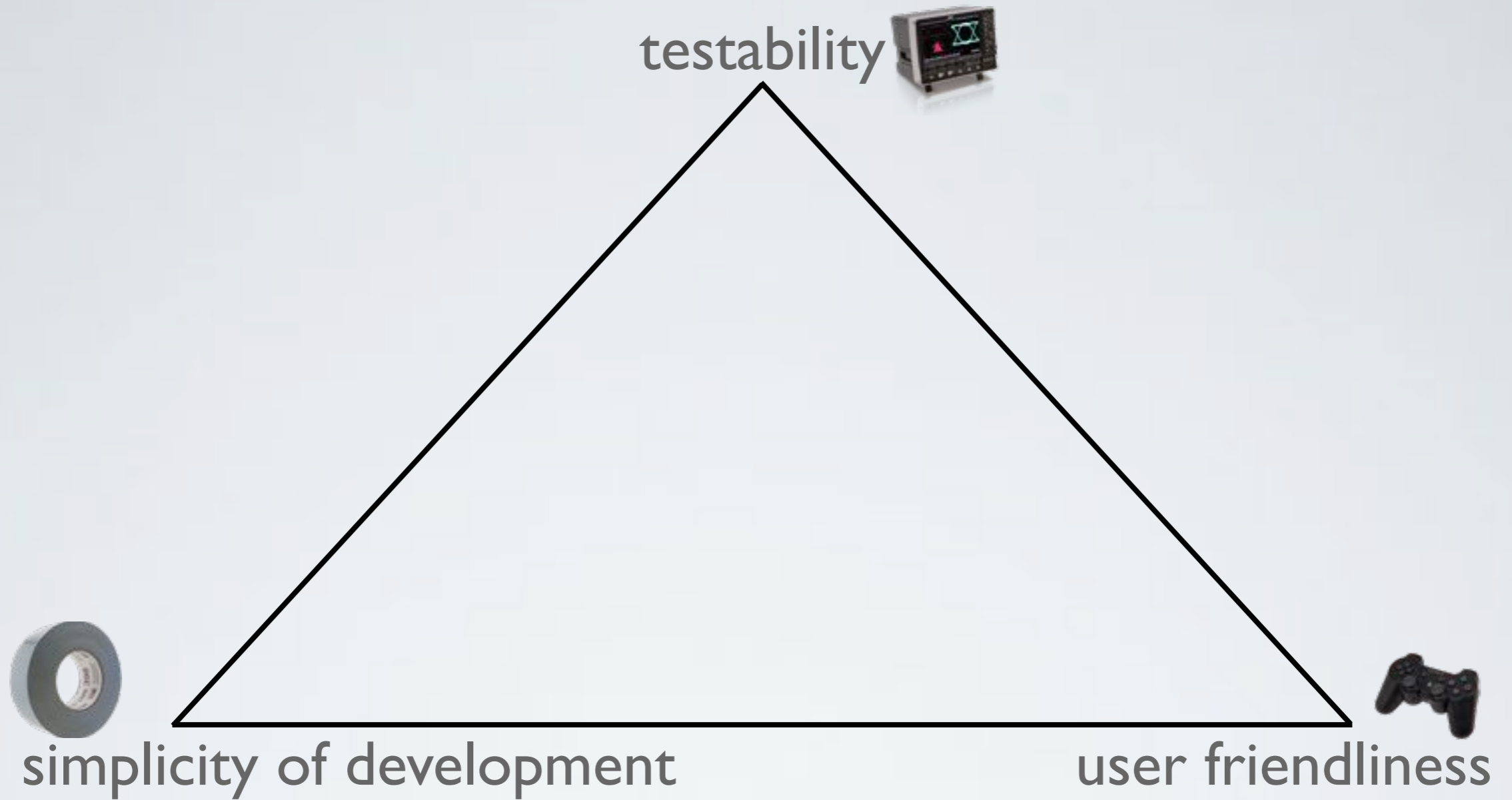
TRADEOFFS

simplicity of development



TRADEOFFS

testability



THE COMPETITION





Microsoft
Visual Basic.net

THE COMPETITION



TRADEOFFS

user friendliness



TRADEOFFS

testability



TRADEOFFS

simplicity of development



simplicity of development



testability



user friendliness

BALANCE

visual basic



THE COMPETITION



TRADEOFFS

user friendliness



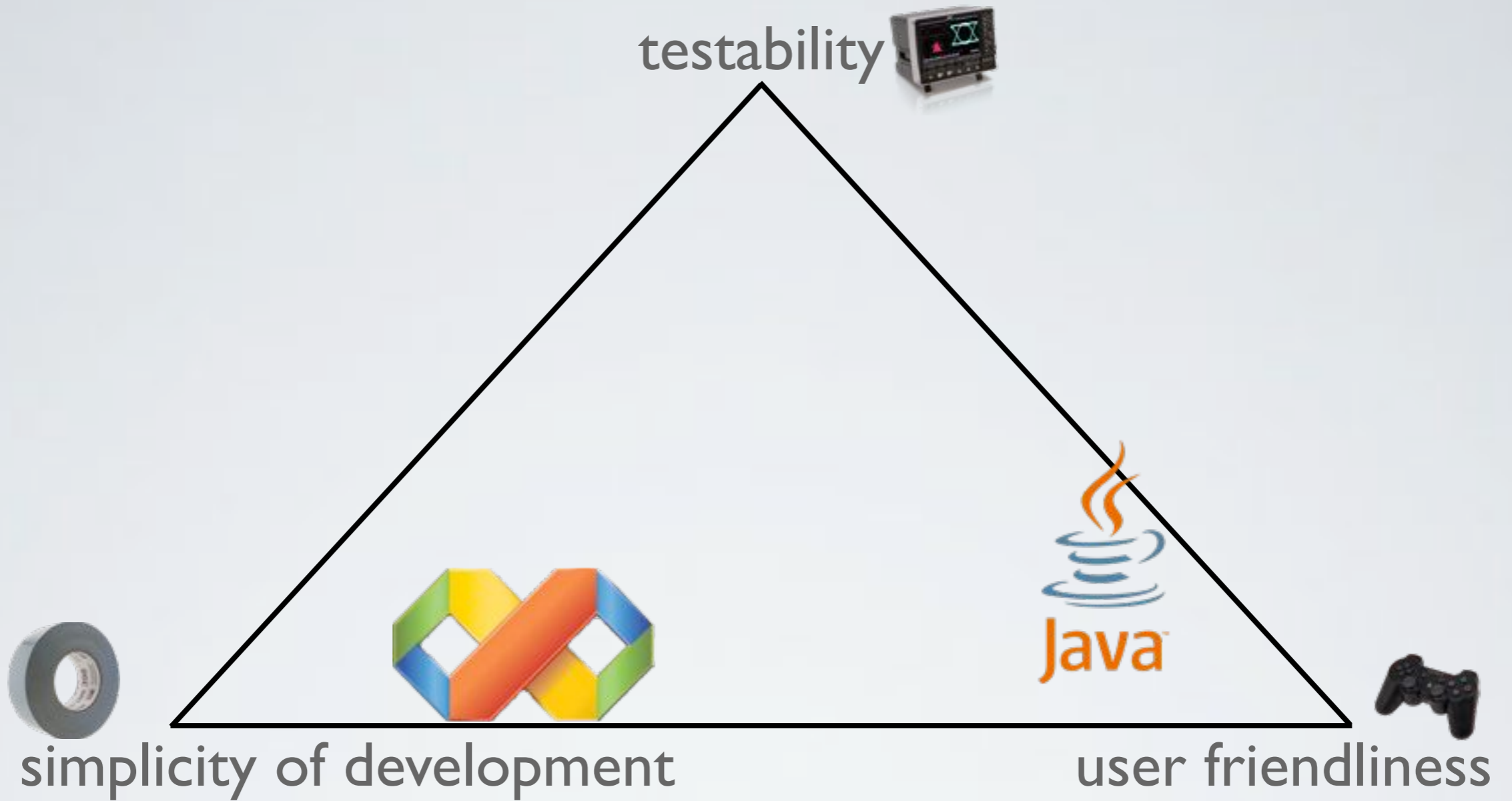
TRADEOFFS

simplicity of development



TRADEOFFS

testability



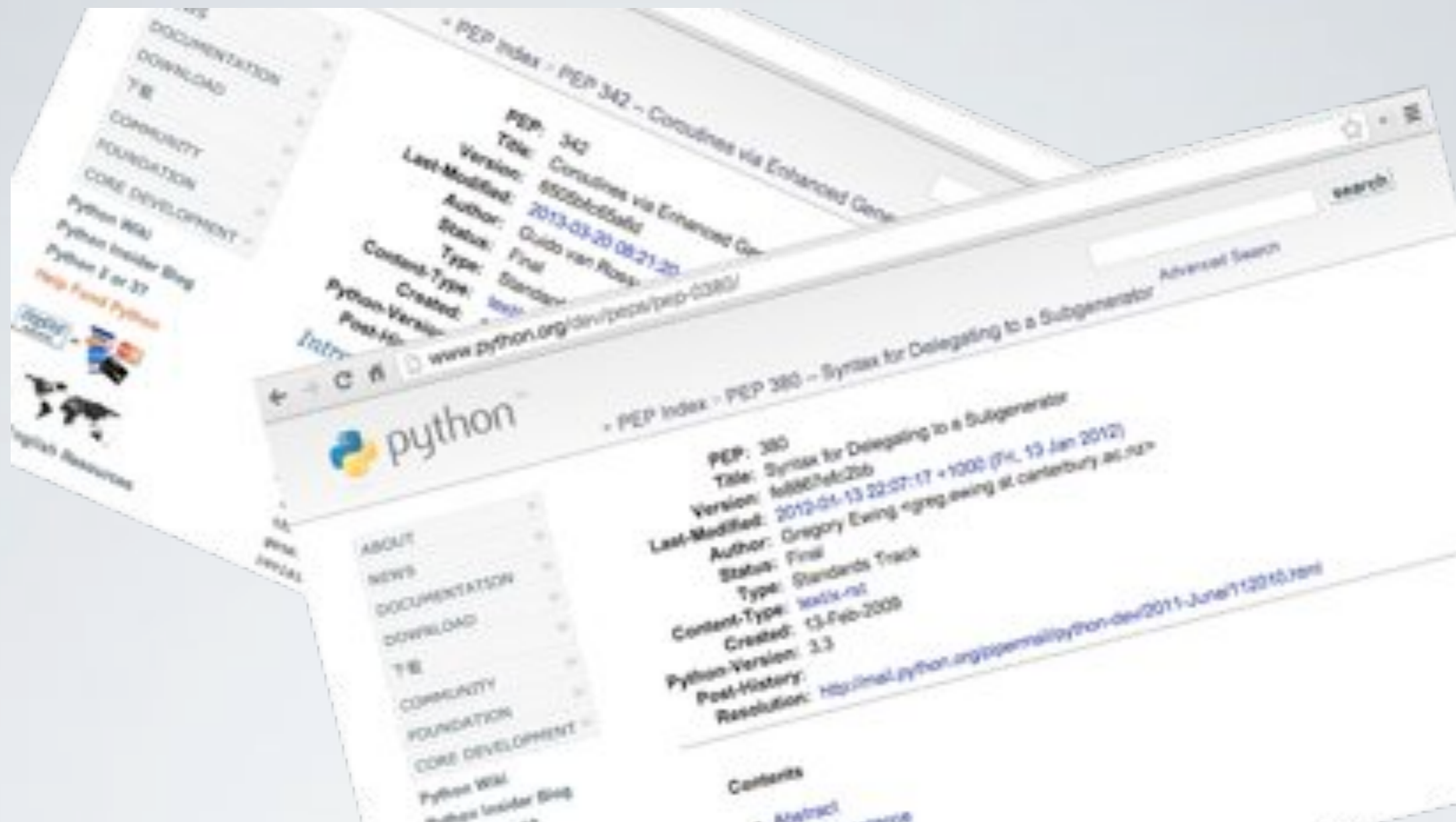
BALANCE

java



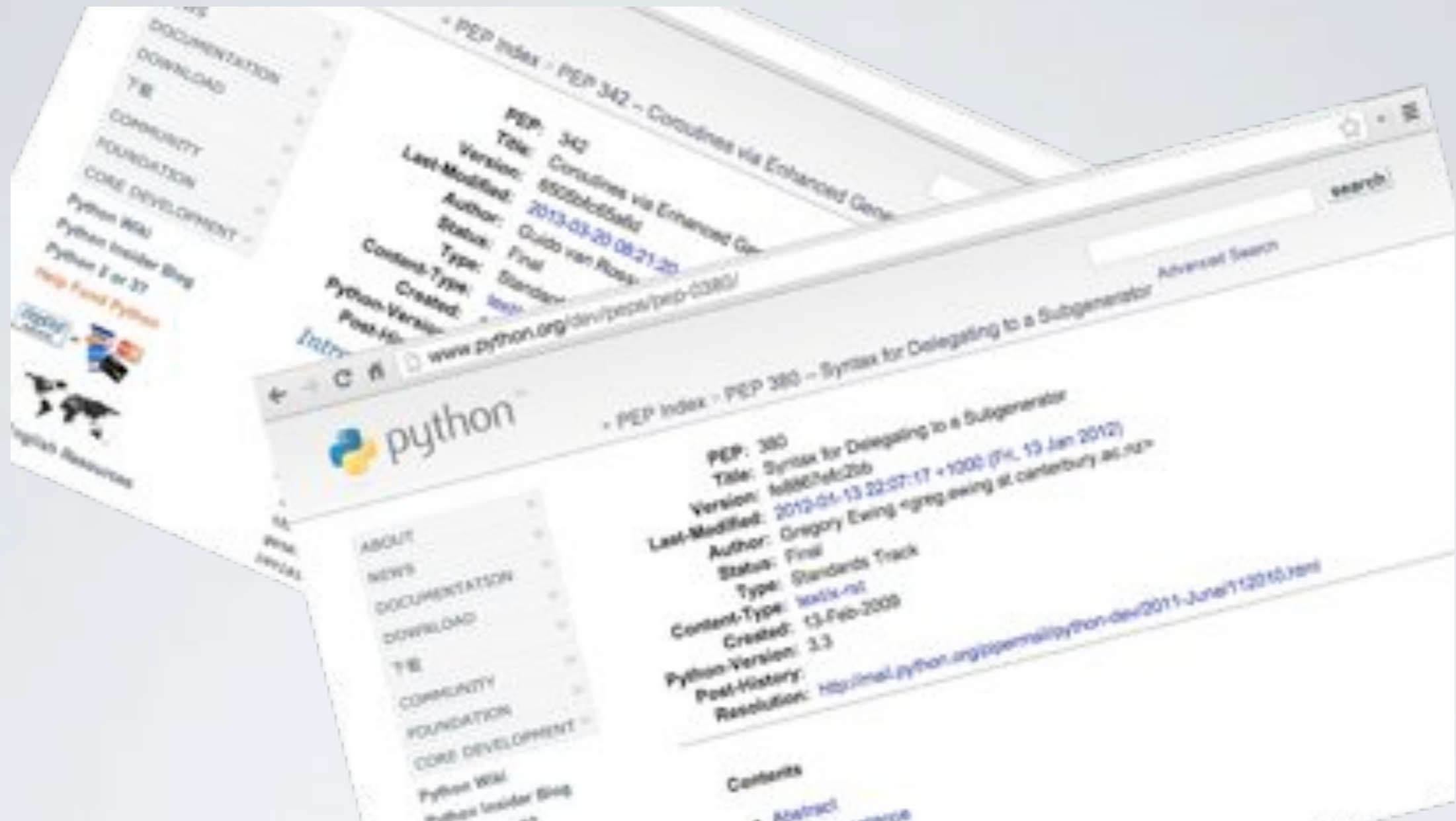
PYTHON

unique language features



PEP 255

Simple generators



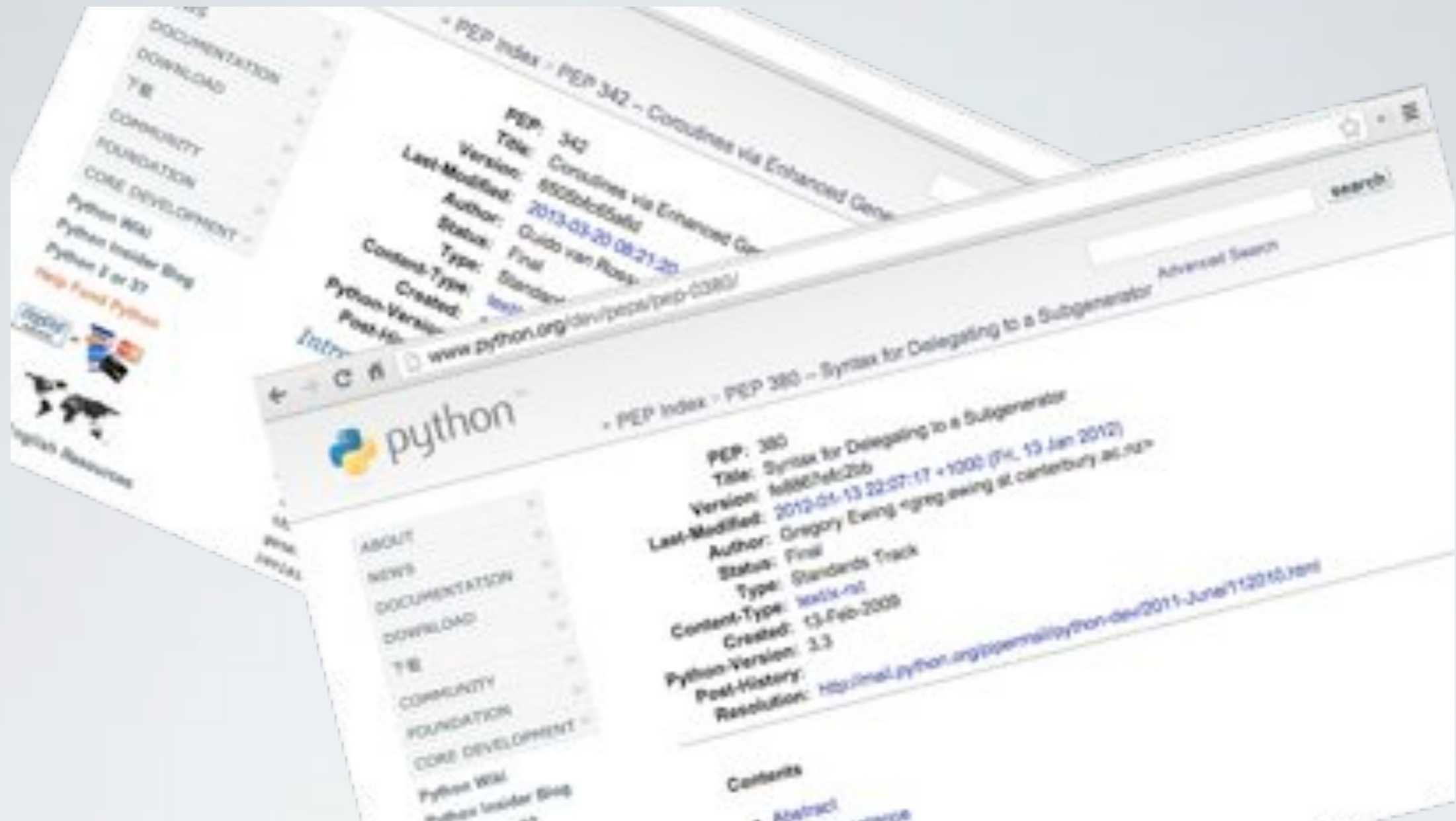
PEP 342

Coroutines via Enhanced Generators

1. Redefine `yield` to be an expression
2. Add a new `send()` method
3. Add a new `throw()` method
4. Allow "yield" to be used in try/finally blocks

PEP 342

Coroutines via Enhanced Generators



PEP 342

An application as a series of action steps

- ChangeObject
- ChangeObjects
- PrintChart
- PrintPreview
- PrintHtml
- PrintJinjaTemplate
- OpenFile
- OpenStream
- OpenJinjaTemplate
- CloseView
- MessageBox
- Refresh
- OpenFormView
- ShowPixmap
- ShowChart
- SelectFile
- SelectObject

ACTION STEPS

out of the box in Camelot





EVENT LOOP INTEGRATION

Using multiple threads to prevent freezes

- `get_collection`
- `get_selection`
- `get_object`

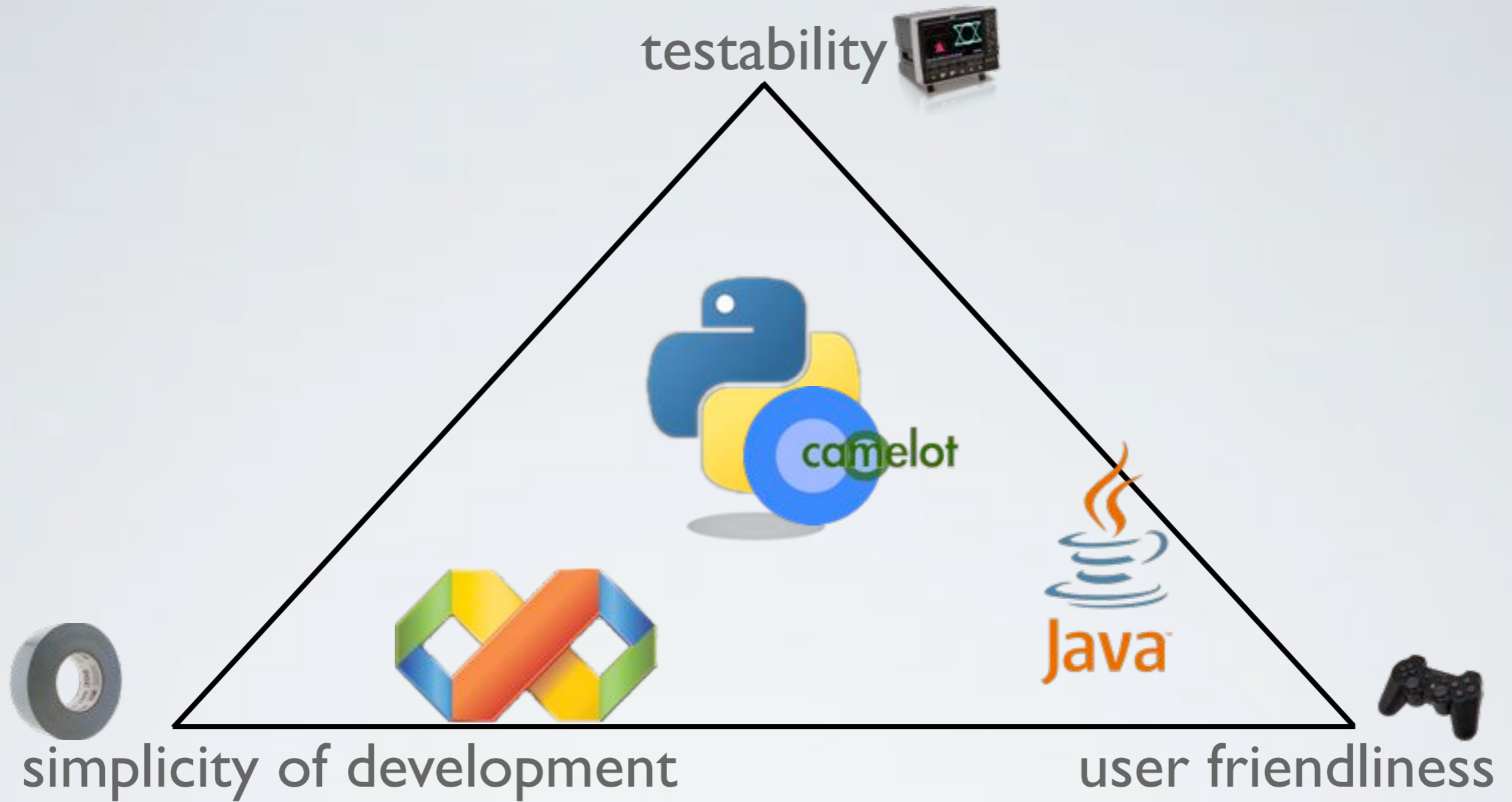
obligatory xkcd comic



WHAT'S THE CONTEXT?



TESTABILITY



BALANCE

python (camelot)



THE SWEET SPOT



PEP 380

delegating to a subgenerator



python-camelot.com

*Thanks !
Questions ?*

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We're hiring !

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