

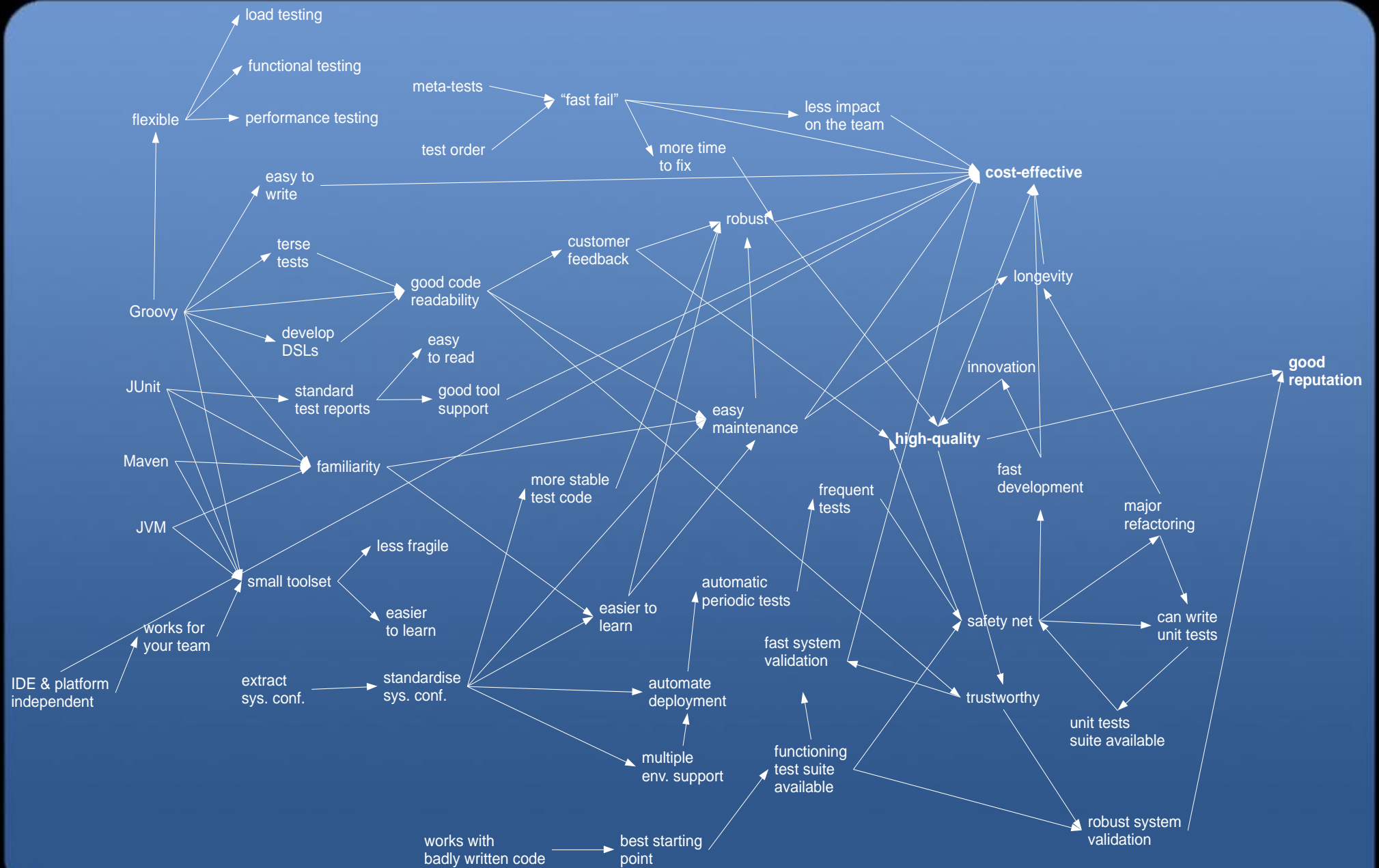
Groovy Integration Testing

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Overview

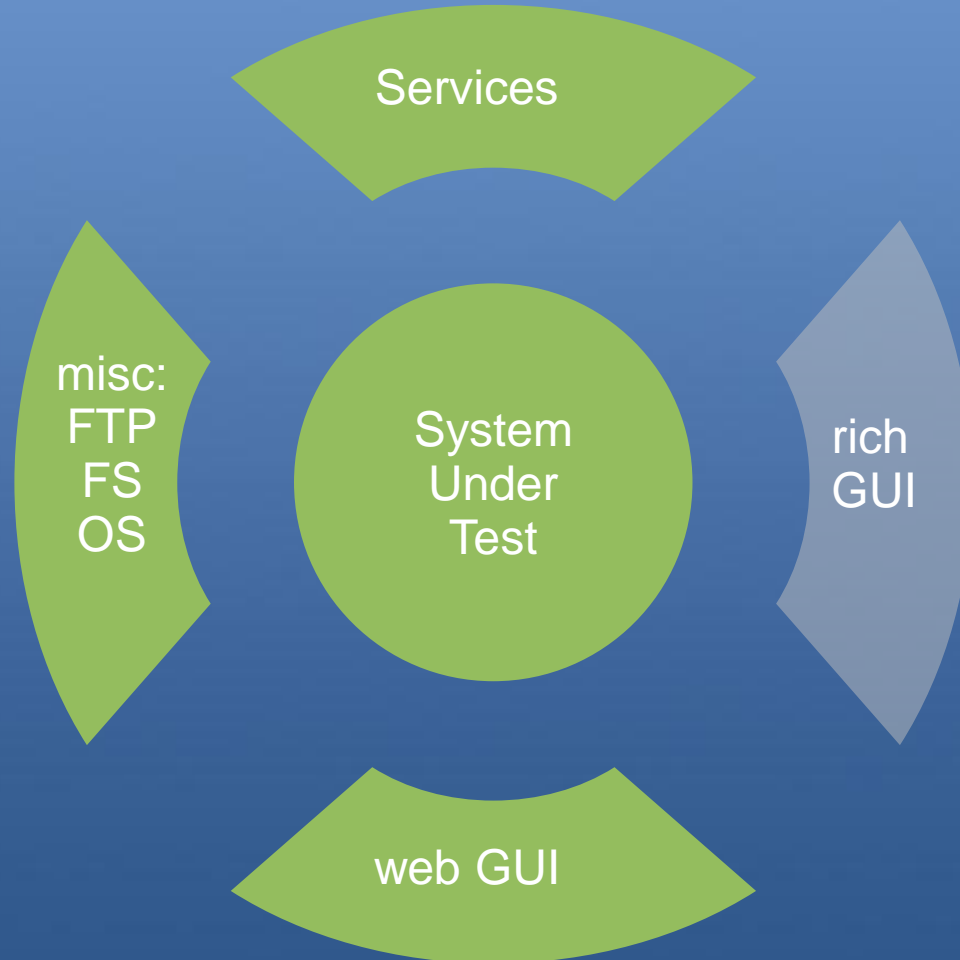
- What is it?
- Why it matters?
- How to go about it?

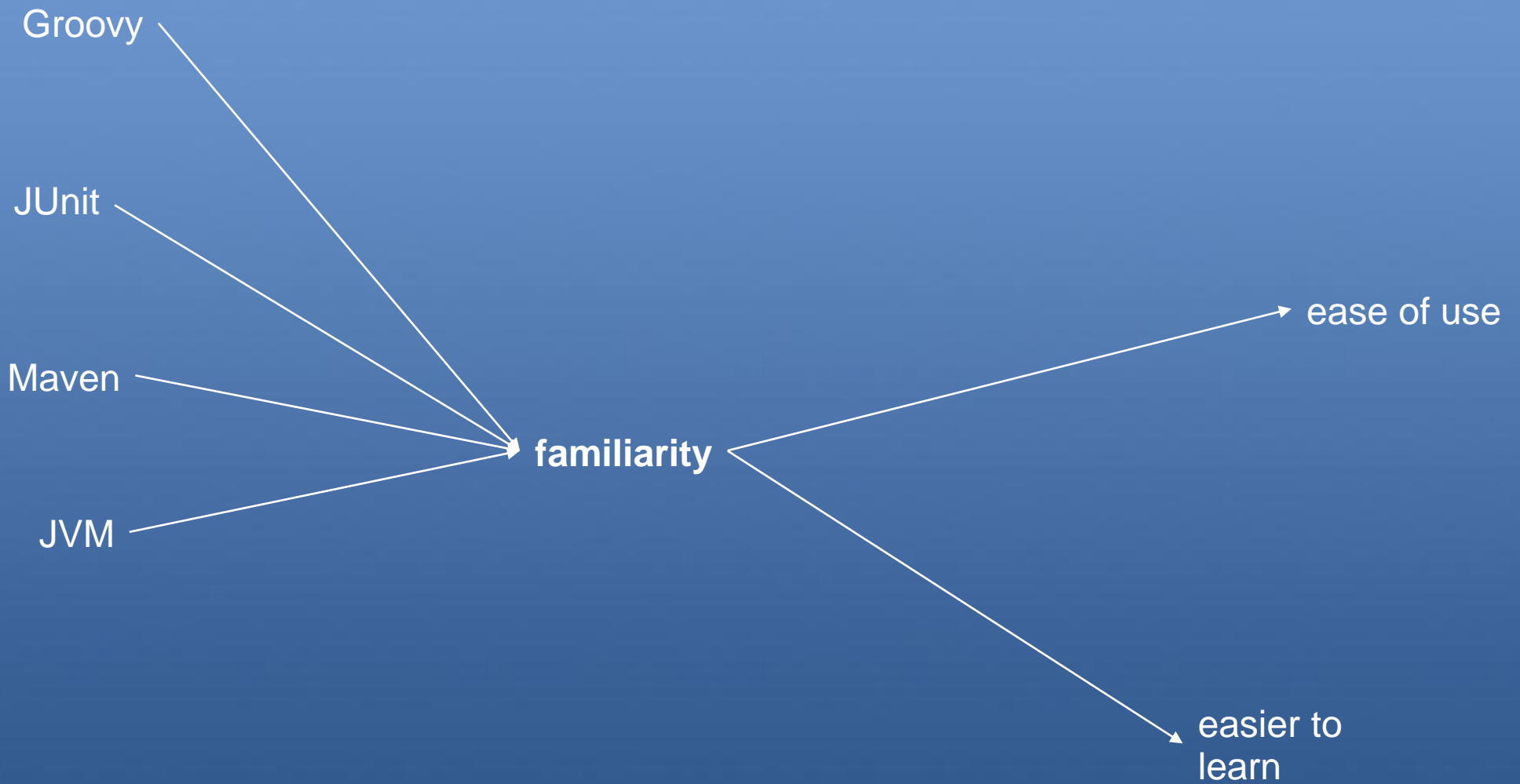


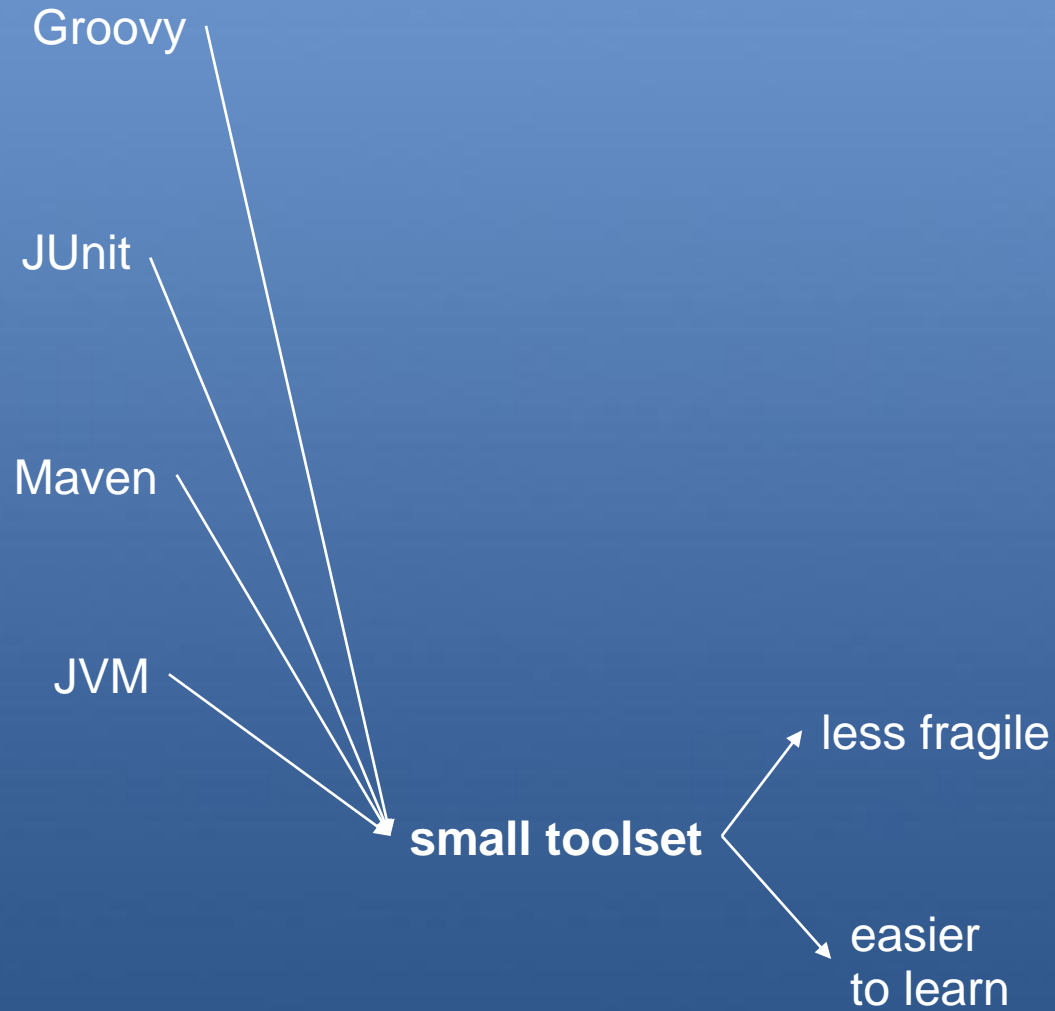
Functional Testing

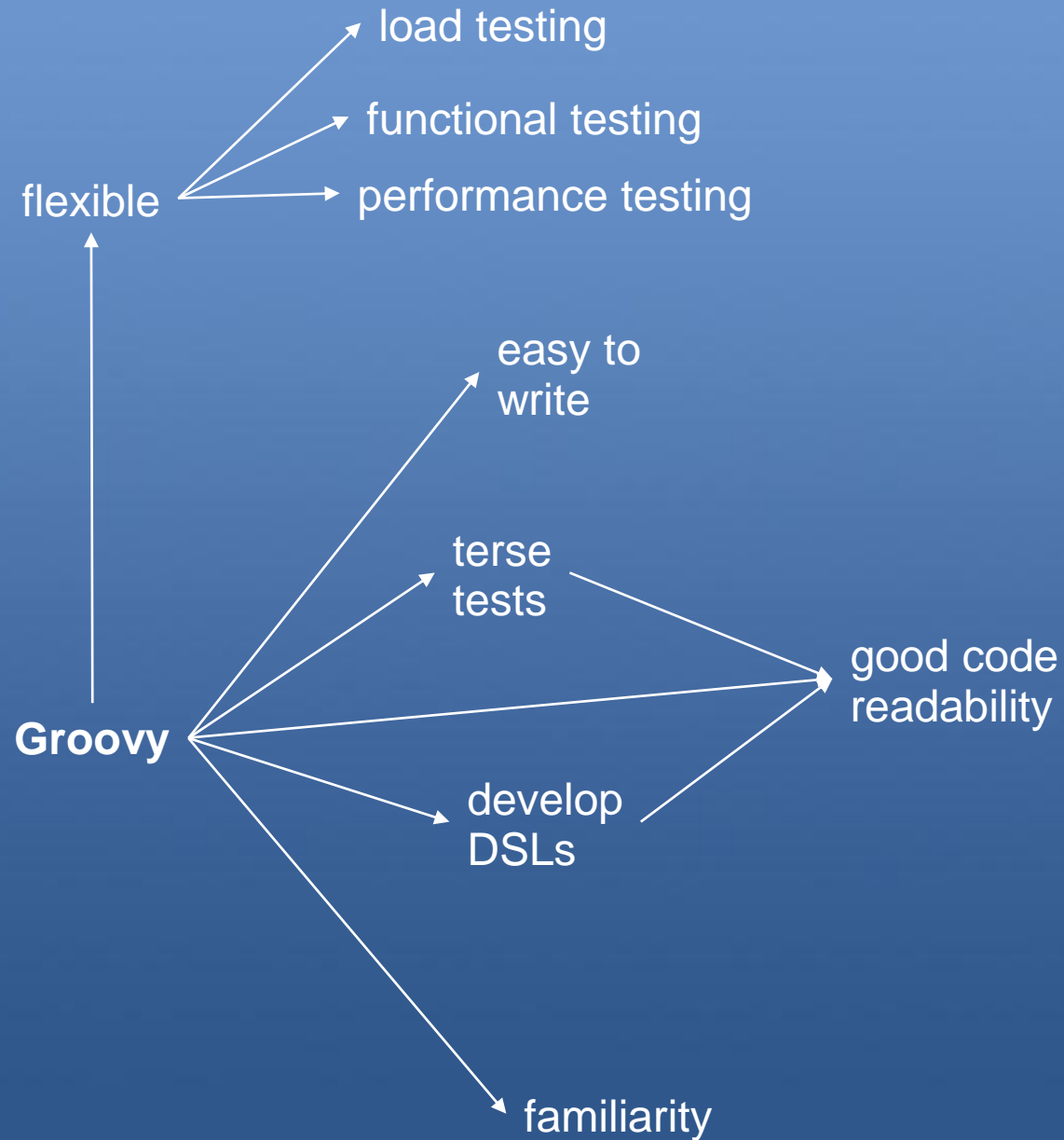
- “Integration testing, noun: functional testing”
- Black-box
- Does the system do what it should?

Interfaces









Taste of Groovy

- file contents:

```
content = new File("myfile.txt").text
```
- map init:

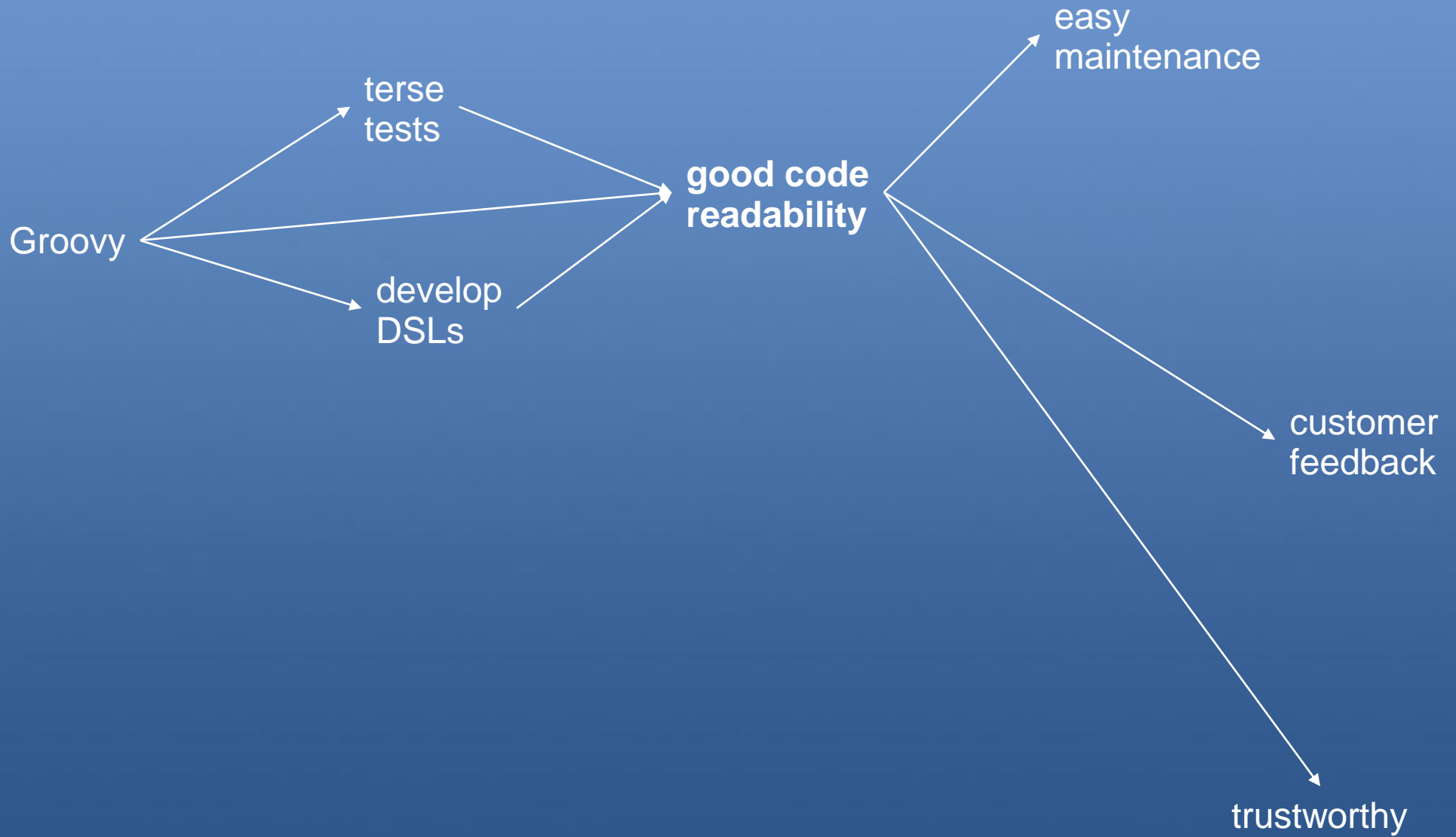
```
Map map = [red:"wait", yellow:"get ready", green:"go!"]
```
- number of chars per traffic light:

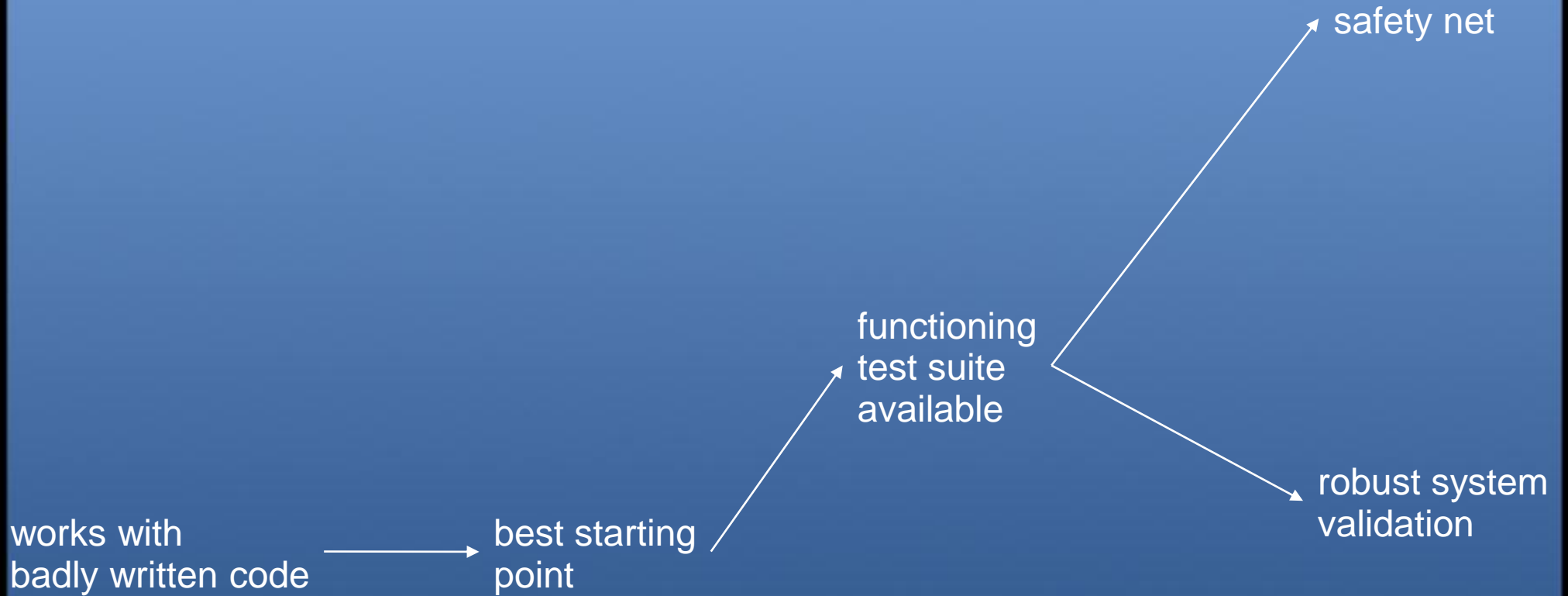
```
map.values().collect { println it.size() }
```
- count to 128:

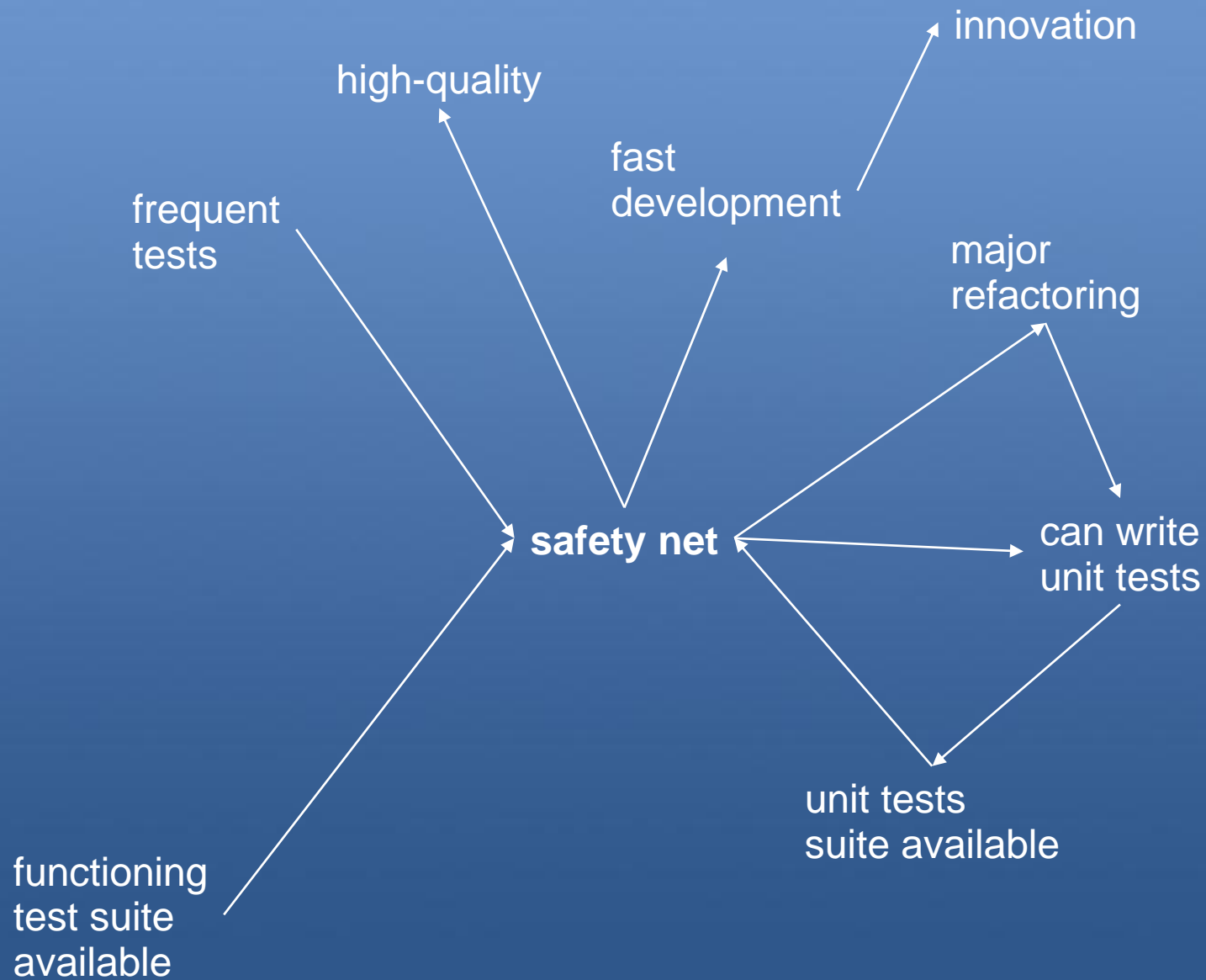
```
128.times { println it }
```
- traversing objects regardless of null values:

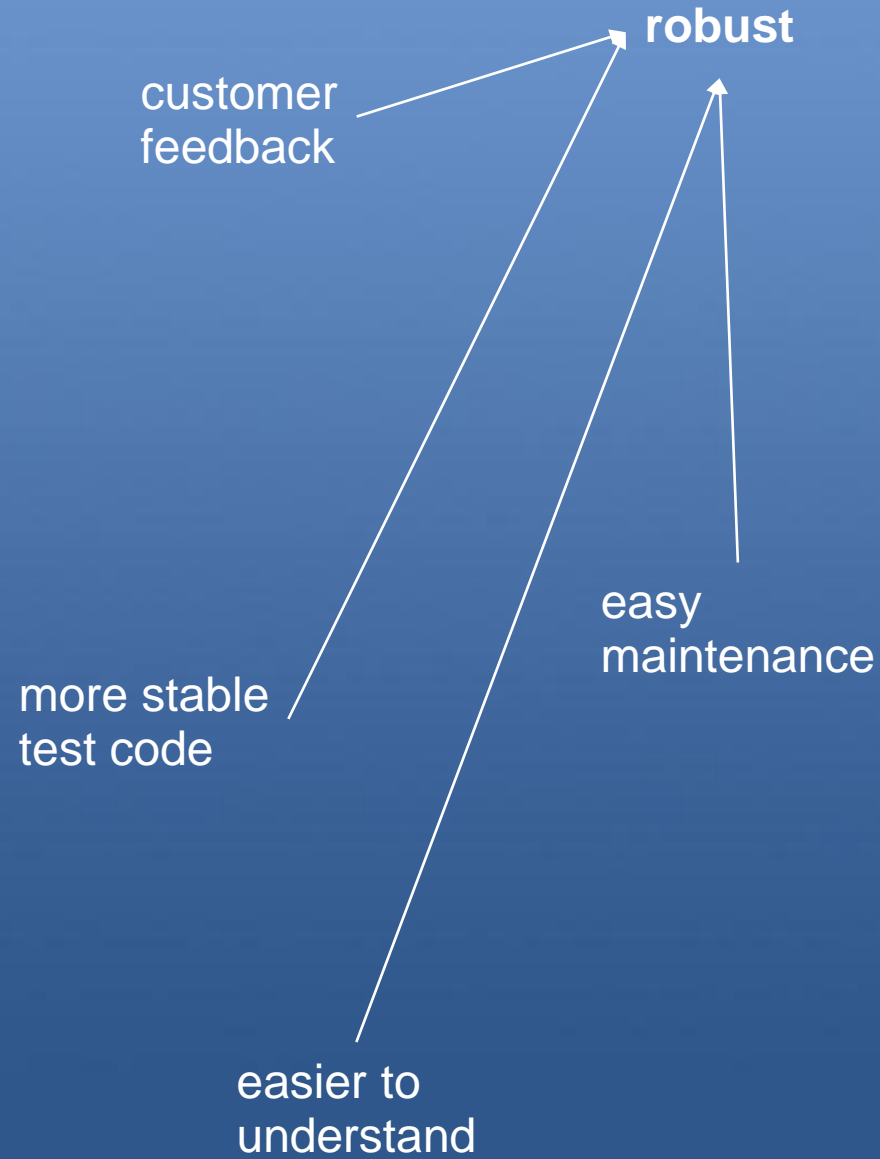
```
user?.address?.streetName
```
- domain-specific language support:

```
30.km/h + 2.m/s * 2  
3 * 3.mg/L  
1/2.s - 2.Hz  
myAccount += 400.euros
```

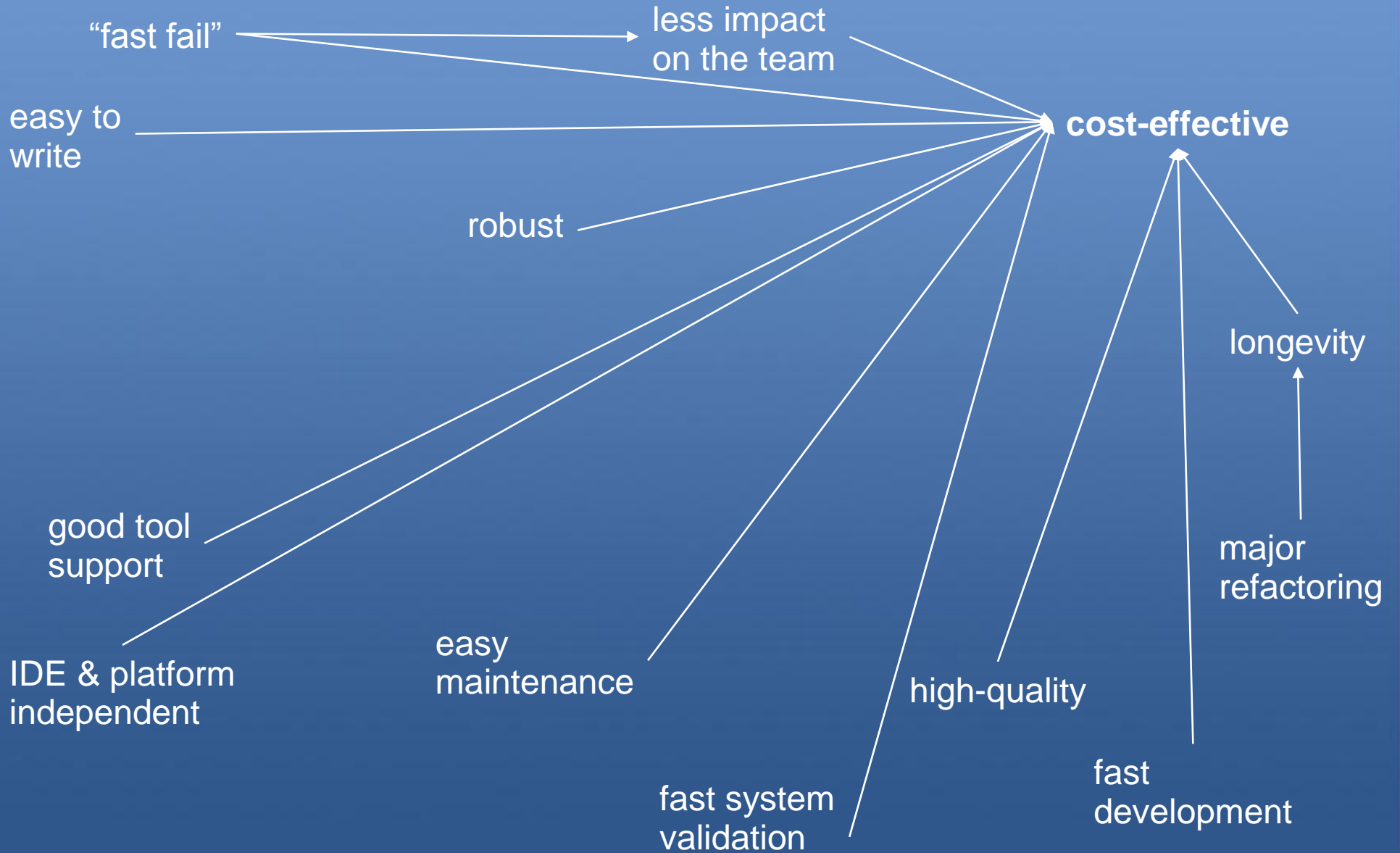














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Examples



Test prototyping

- Groovy shell
- Web services: WSCClient, groovy-wslite
- Web UI: htmlunit, webtest...

In summary...

Groovy, Maven, JDK, JUnit

easy

rapid

high-quality

efficient

safety net

