

DŁUG TECHNICZNY

Narzędzie profesjonalisty

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PGS Software

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"Dług techniczny - Narzędzie Profesjonalisty"

konferencja Boiling Frogs 2018

<https://www.youtube.com/watch?v=PxcQISUIpjQ>

Agenda

- 1 Wyjaśnienie problemu
- 2 Dług techniczny
- 3 Spłacalny dług techniczny

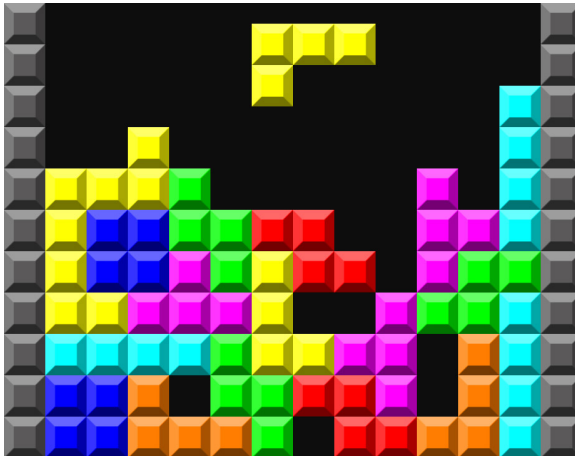
Wyjaśnienie problemu

Nasz kod + nowe wymagania = dług techniczny

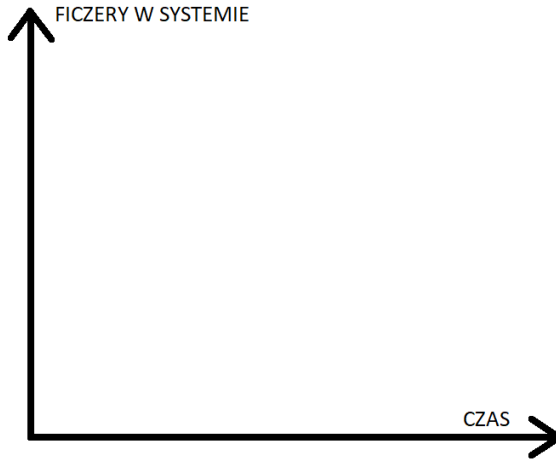
Dług techniczny

Dług techniczny

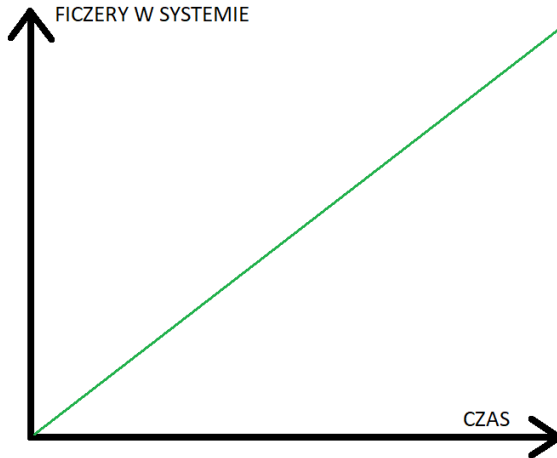
Tetris



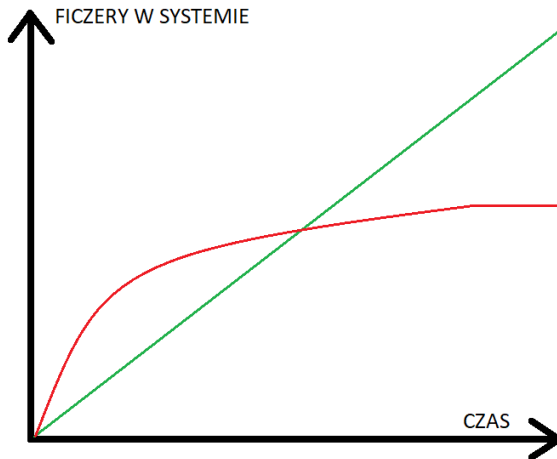
Design Stamina Hypothesis



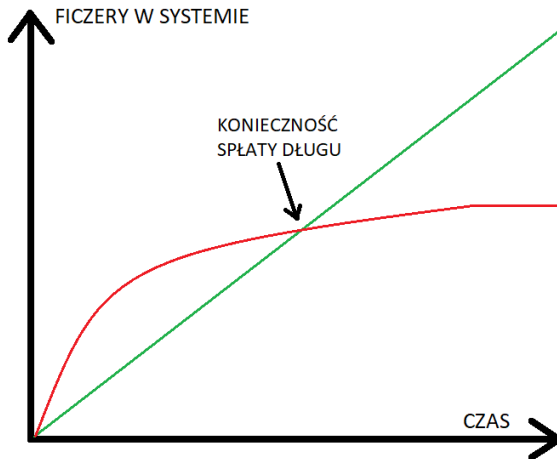
Design Stamina Hypothesis



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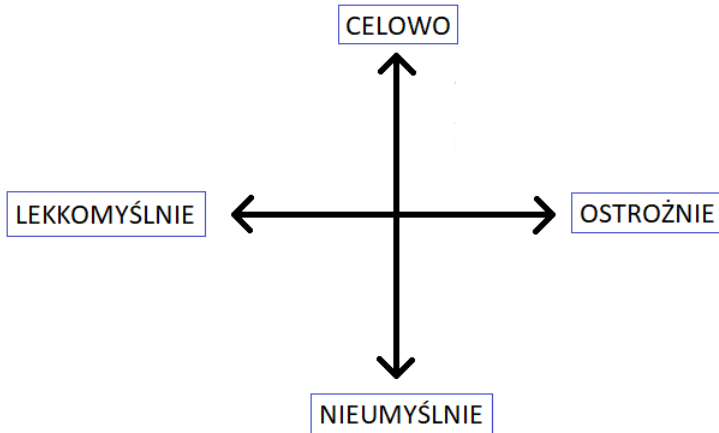
Spłacalny dług techniczny

Technical debt quadrant

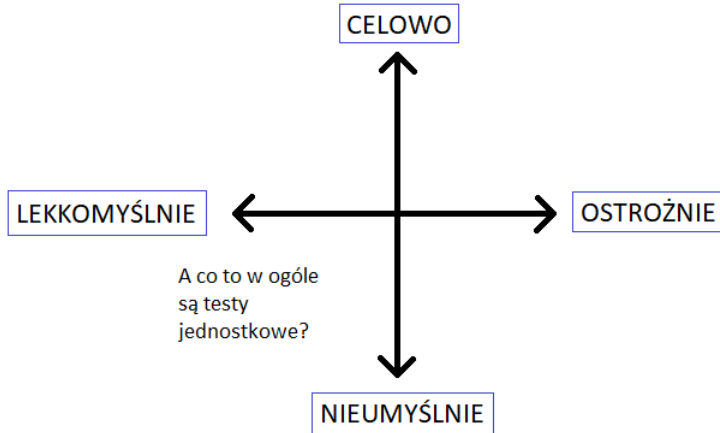
Technical debt quadrant



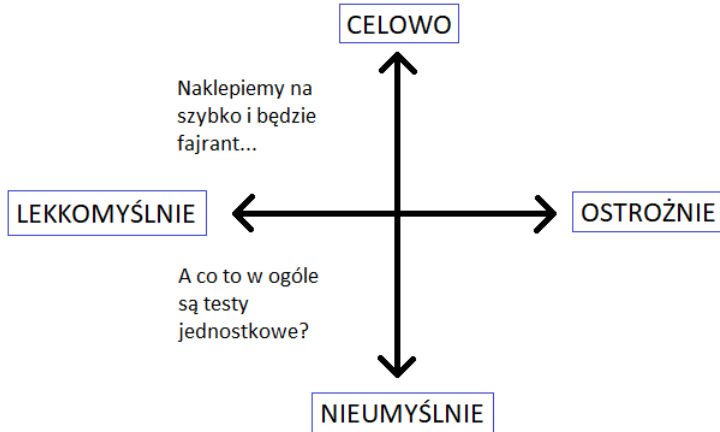
Technical debt quadrant



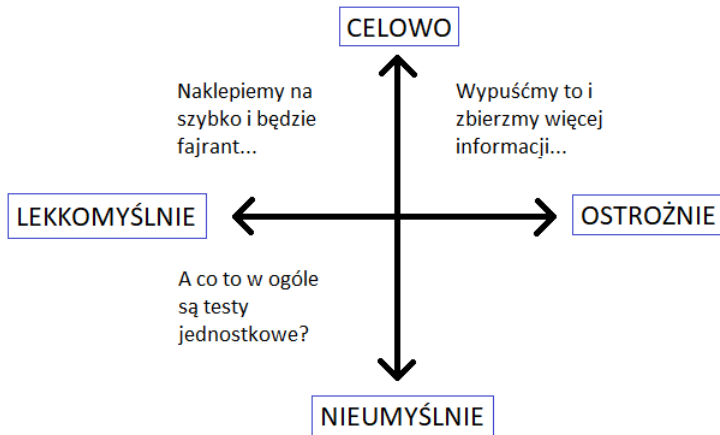
Technical debt quadrant



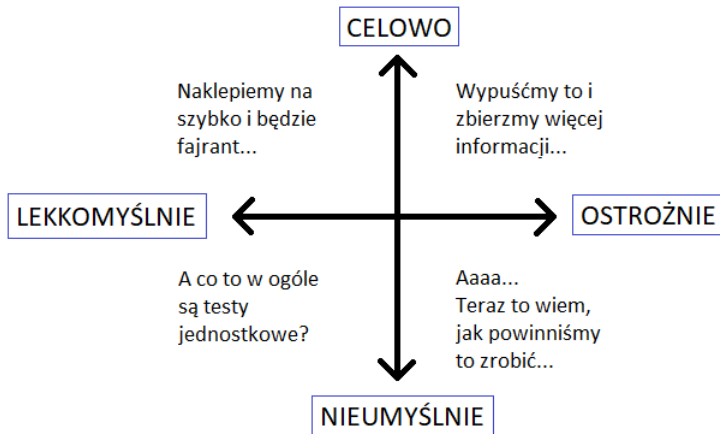
Technical debt quadrant



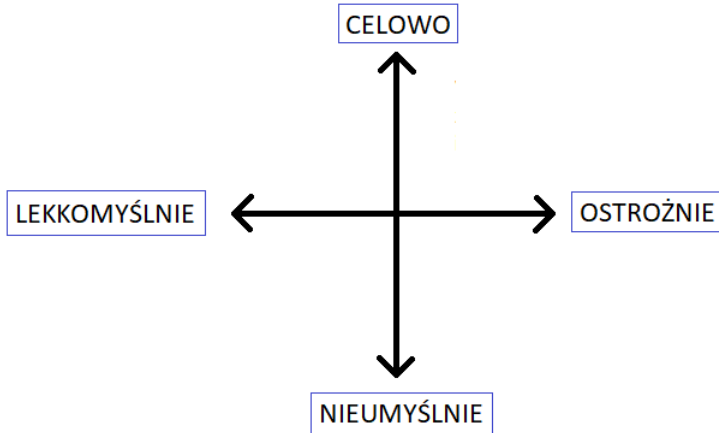
Technical debt quadrant



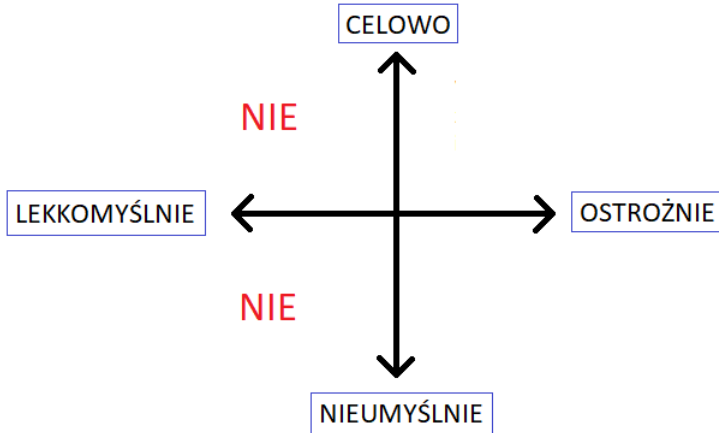
Technical debt quadrant



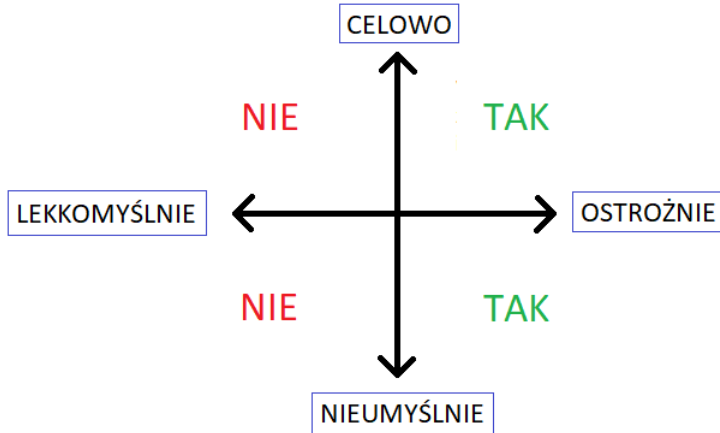
Czy możliwa jest spłata długu?



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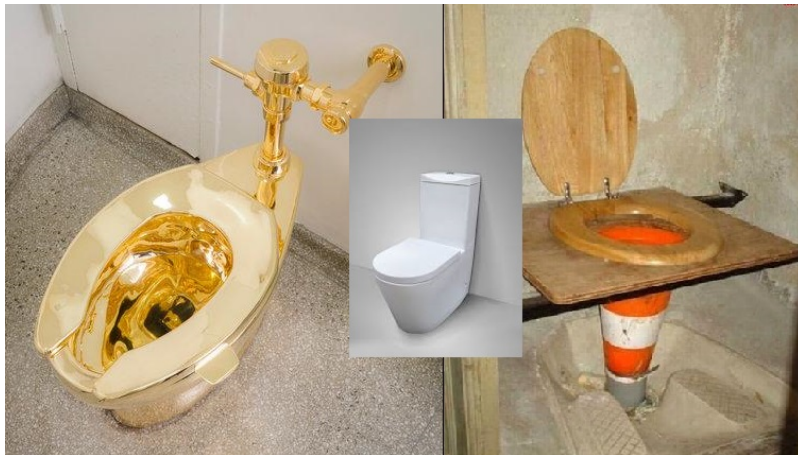


Spłacalny dług techniczny

- Piszmy czysty kod







- Piszmy czysty kod
- Piszmy prosty kod
-
-
-

Zasada Pareto



Zasada Pareto

X% KODU ODPOWIADA
ZA **Y%** ZŁOŻONOŚCI/PROBLEMÓW

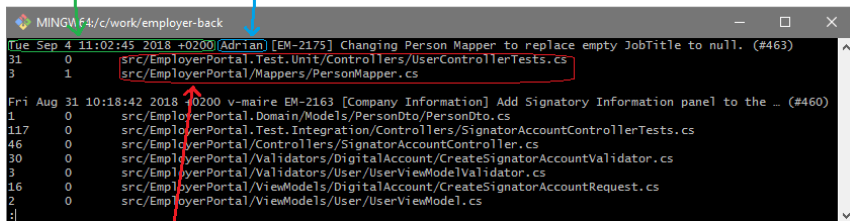
Zasada Pareto

5% KODU ODPOWIADA
ZA 95% ZŁOŻONOŚCI/PROBLEMÓW

git log --pretty=format:'%ad %aN %s' - -numstat

KIEDY

KTO

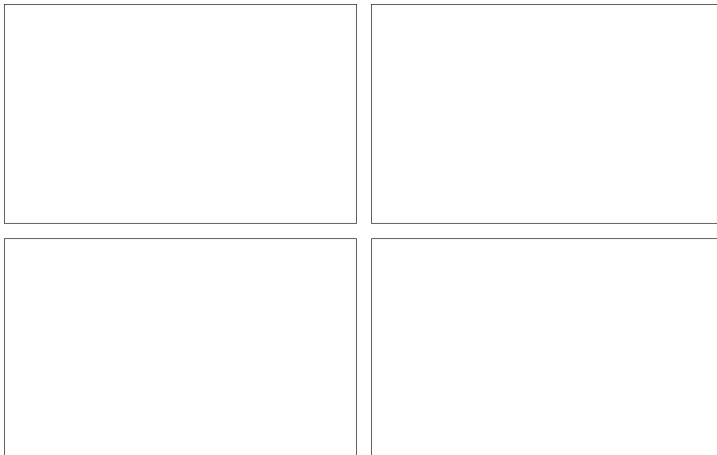


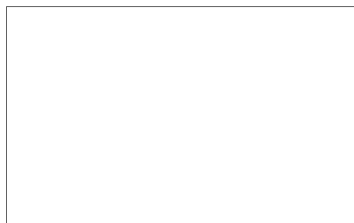
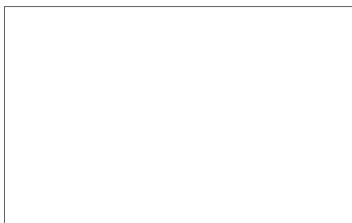
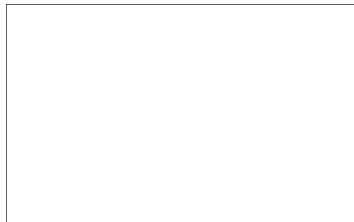
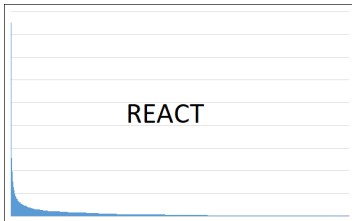
The screenshot shows a terminal window titled 'MINGW64: c:/work/employer-back'. It displays the output of the command 'git log --pretty=format:'%ad %aN %s' - -numstat'. The output lists commit history. Annotations include: a green arrow from 'KIEDY' pointing to the date 'Tue Sep 4 11:02:45 2018 +0200'; a blue arrow from 'KTO' pointing to the author 'Adrian'; a red box around the commit message 'Changing Person Mapper to replace empty JobTitle to null. (#463)'; and a red arrow from 'CO' pointing to the file path 'src/EmployerPortal/Mappers/PersonMapper.cs'.

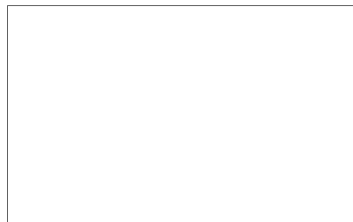
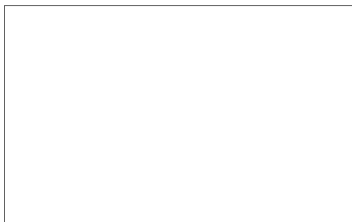
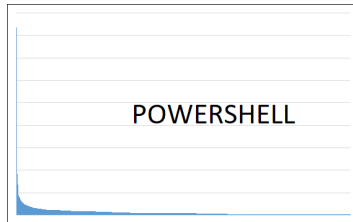
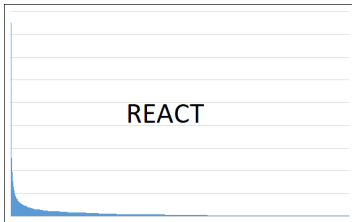
```
mingw64 c:/work/employer-back
Tue Sep 4 11:02:45 2018 +0200 Adrian [EM-2175] Changing Person Mapper to replace empty JobTitle to null. (#463)
31      0      src/EmployerPortal.Test.Unit/Controllers/UserControllerTests.cs
3       1      src/EmployerPortal/Mappers/PersonMapper.cs

Fri Aug 31 10:18:42 2018 +0200 v-maire EM-2163 [Company Information] Add Signatory Information panel to the ... (#460)
1       0      src/EmployerPortal.Domain/Models/PersonDto/PersonDto.cs
117     0      src/EmployerPortal.Test.Integration/Controllers/SignatorAccountControllerTests.cs
46      0      src/EmployerPortal/Controllers/SignatorAccountController.cs
30      0      src/EmployerPortal/Validators/DigitalAccount/CreateSignatorAccountValidator.cs
3       0      src/EmployerPortal/Validators/User/UserViewModelValidator.cs
16      0      src/EmployerPortal/ViewModels/DigitalAccount/CreateSignatorAccountRequest.cs
2       0      src/EmployerPortal/ViewModels/User/UserViewModel.cs
:
```

CO

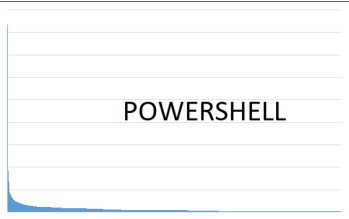








REACT



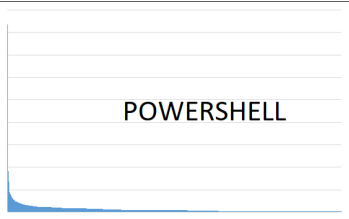
POWERSHELL



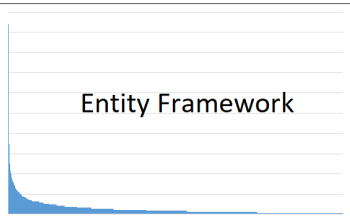
Entity Framework



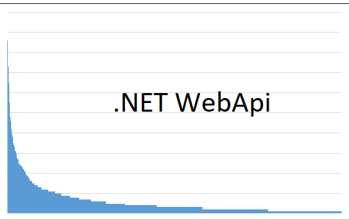
REACT



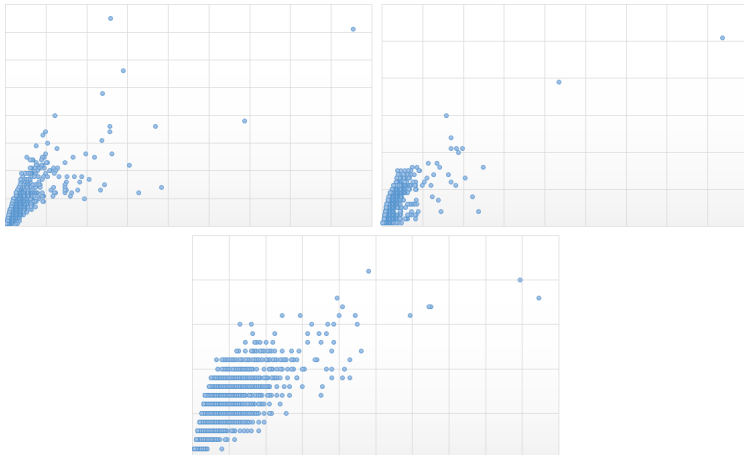
POWERSHELL



Entity Framework



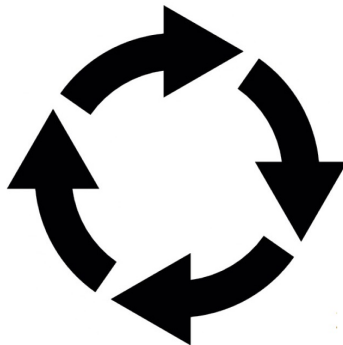
.NET WebApi



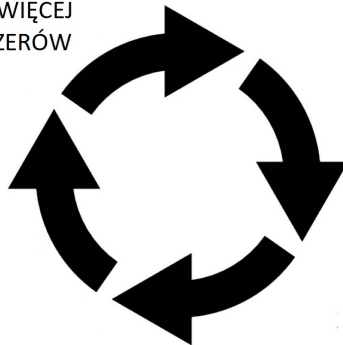
- Piszmy czysty kod
- Piszmy prosty kod
- Monitorujemy gdzie narastają odsetki
-
-



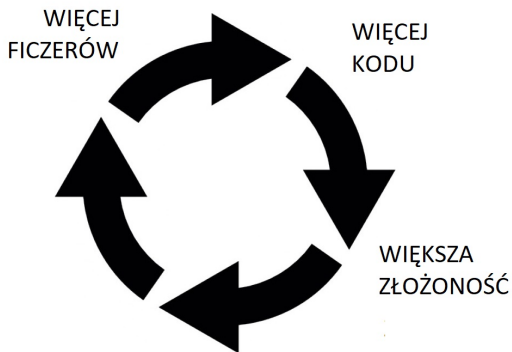
PGF

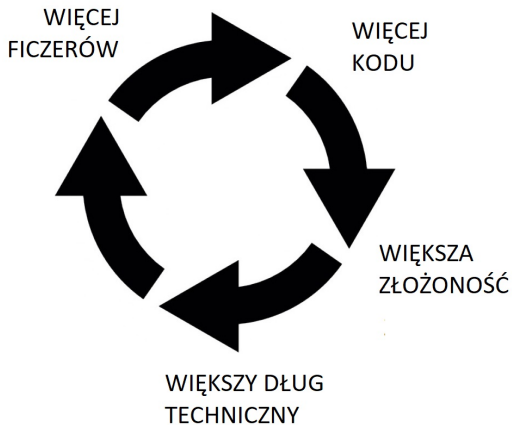


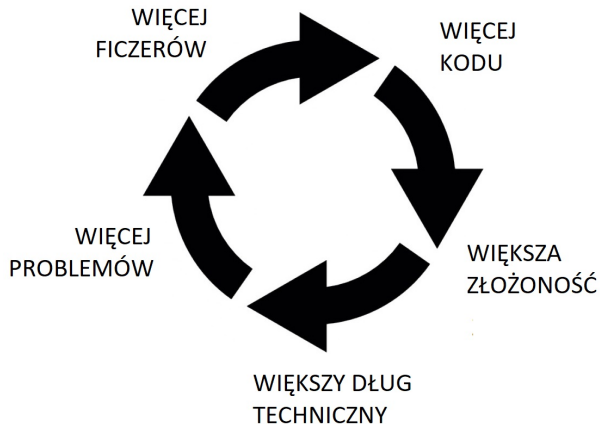
WIĘCEJ
FICZERÓW

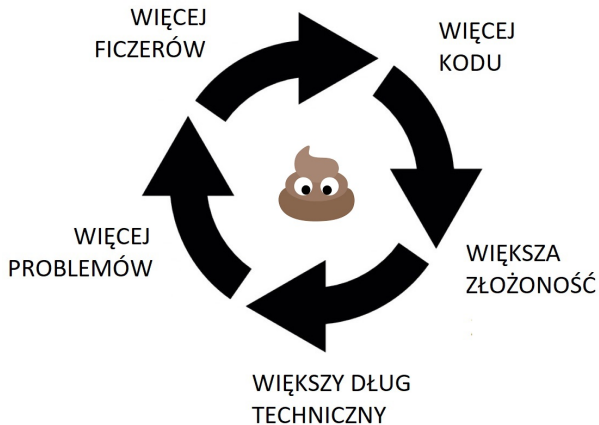




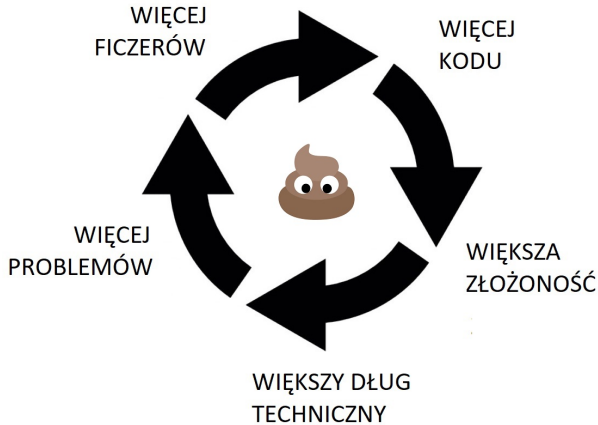






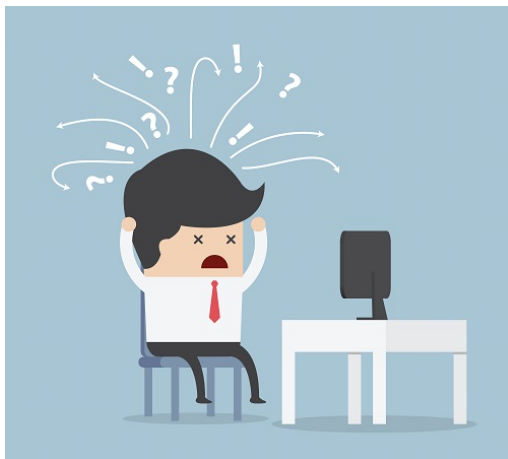


Pętla gnijących ficzerów



- Piszmy czysty kod
- Piszmy prosty kod
- Monitorujemy gdzie narastają odsetki
- Usuwajmy nieużywane funkcjonalności
-

Co jest problemem?



Wymagania



We cannot be agile if our code sucks...

- Piszmy czysty kod
- Piszmy prosty kod
- Monitorujemy gdzie narastają odsetki
- Usuwajmy nieużywane funkcjonalności
- Traktujmy siebie jako profesjonalistów

Pytania?

Dziękuję!

e-mail: amularczyk@pgs-soft.com