



DigiWill Final Presentation

Jannik Möll, Robin Kuck, Morten Harter, Christian
Schweigel

June 18, 2019



Agenda

1. Vision

2. Live Demo

3. Project Management

4. Development

Vision

“Everyone will **pass away** at some point. The only thing we can do in the meantime is **prepare** ourselves.”

A photograph of a cemetery with numerous gravestones of various shapes and sizes, mostly made of light-colored stone. The stones are set in a grassy field. In the background, there are several large, leafy trees and a blue sky with scattered white clouds. A semi-transparent white rectangular box is overlaid in the center of the image, containing the text "Live Demo".

Live Demo

A background image of a cemetery with numerous gravestones of various shapes and sizes, mostly rectangular and weathered. The stones are set in a grassy field. In the background, there are several large, leafy trees and a blue sky with scattered white clouds. A semi-transparent white rectangular box is centered over the middle of the image, containing the text "Project Management".

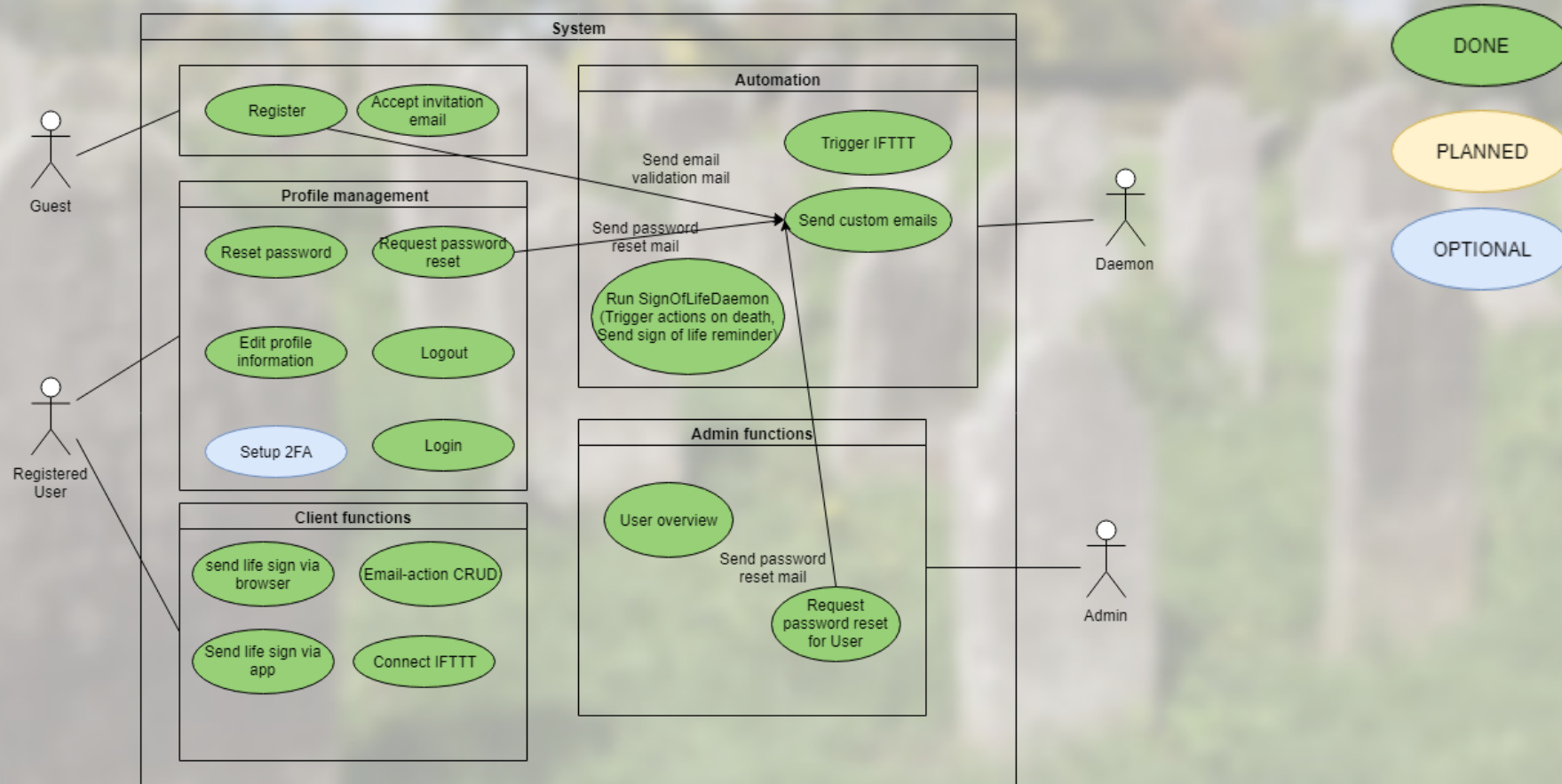
Project Management

Methodology & Management

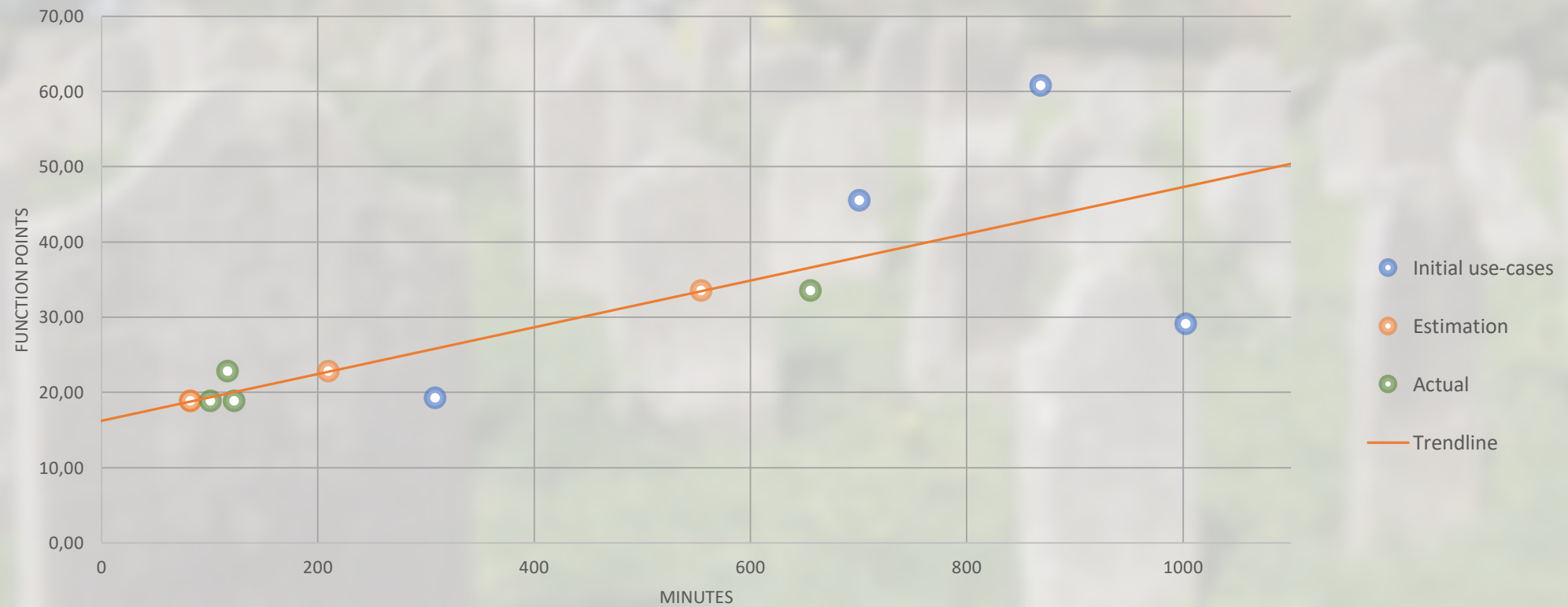
- SCRUM workflow
- RUP Team roles
- Dedicated risk mitigators



Use cases



Cost estimation



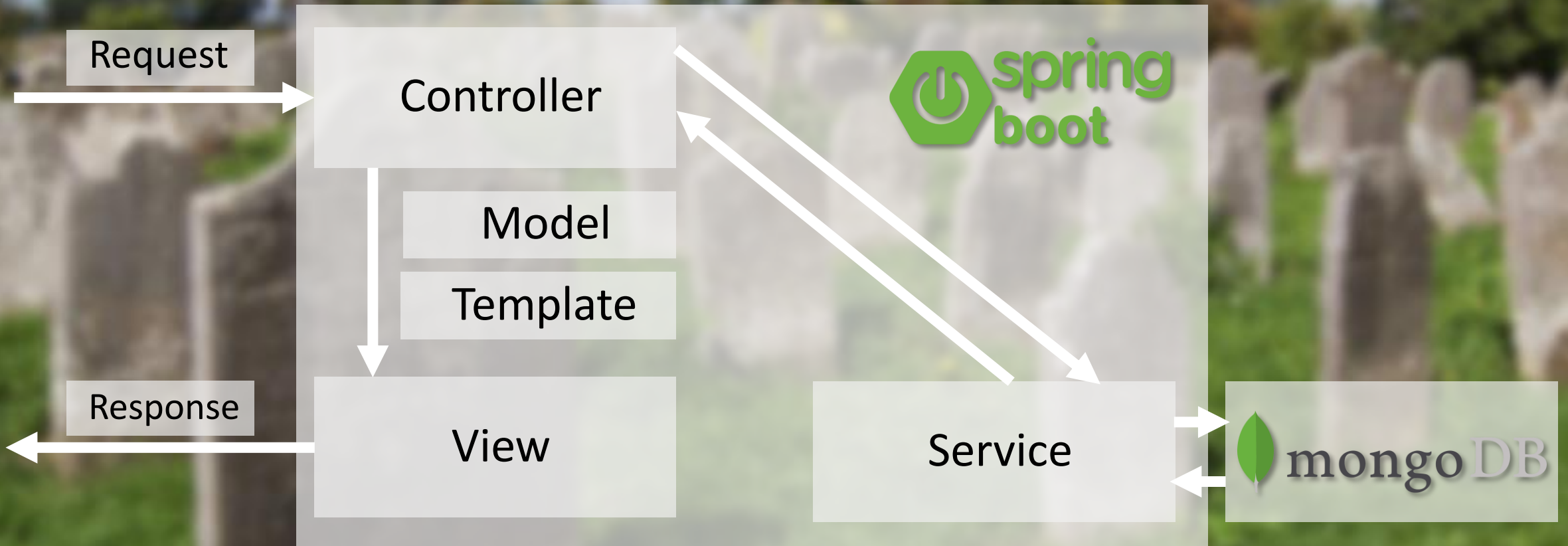
A photograph of a cemetery with numerous grey stone headstones of various shapes and sizes scattered across a green grassy field. In the background, there are several large, leafy trees and a blue sky with scattered white clouds. A semi-transparent white rectangular box is overlaid in the center of the image, containing the word "Development" in a black, sans-serif font.

Development



Technology Stack

Architecture









Development Methodology

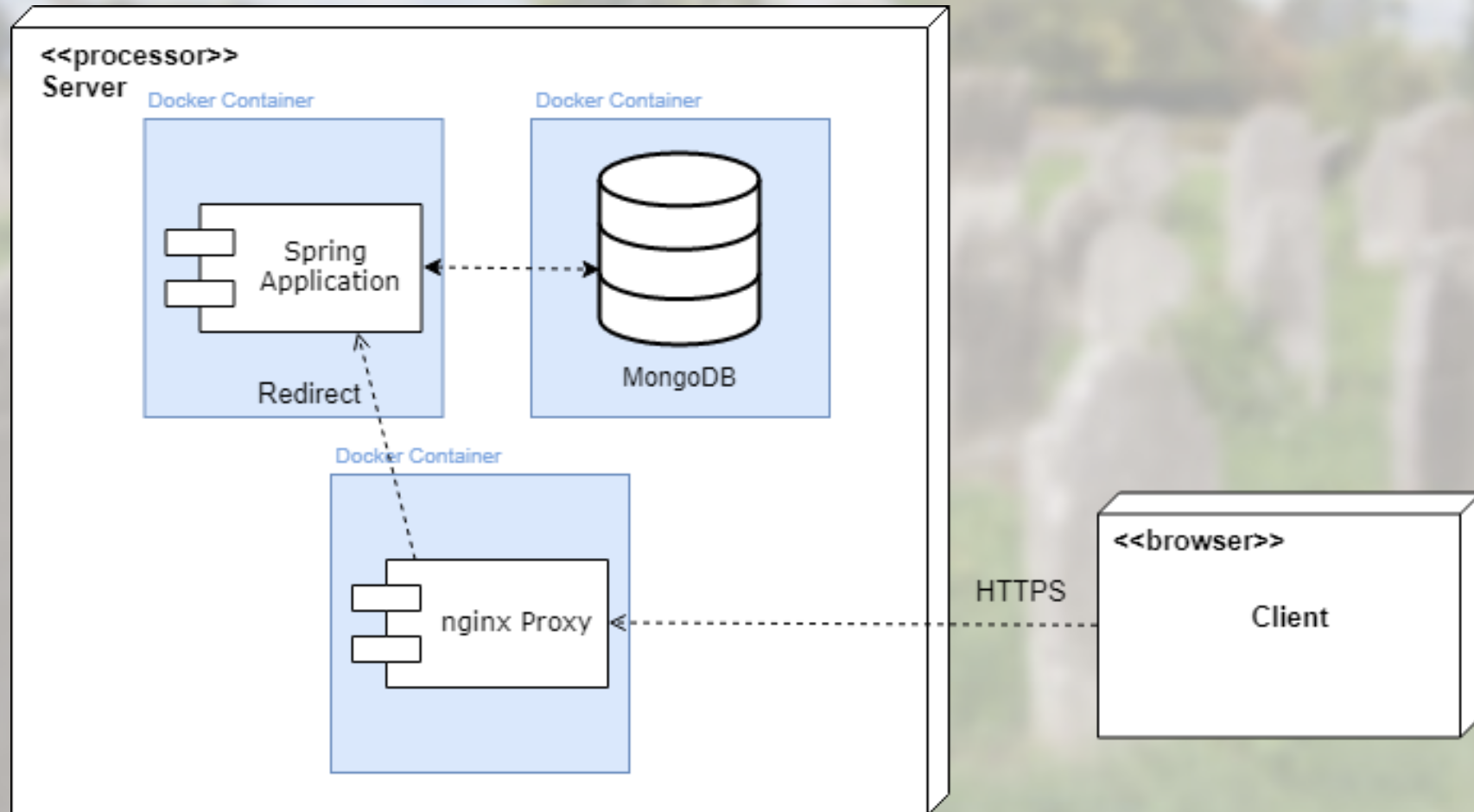
- Git
- Code reviews
- Employed established code patterns
- Mostly followed Clean Code Principles
- Continuous refactoring



Continuous Integration/Delivery

What?	Push to dedicated issue branch	Build & Compile	Test	Deploy
Why?	<ul style="list-style-type: none">- Proper version control- Code reviews	<ul style="list-style-type: none">- Automation of the process- Integration to other tools	<ul style="list-style-type: none">- Application works as expected	<ul style="list-style-type: none">- Publish application- Easy to setup
How?	 GitHub	 Jenkins  Maven™	 cucumber  JUnit	 docker

Deployment View



Quality Assurance

JUnit

 **cucumber** 

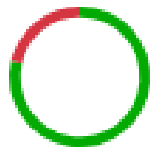
 **snyk**

 **APACHE JMeter**TM

sonarqube 

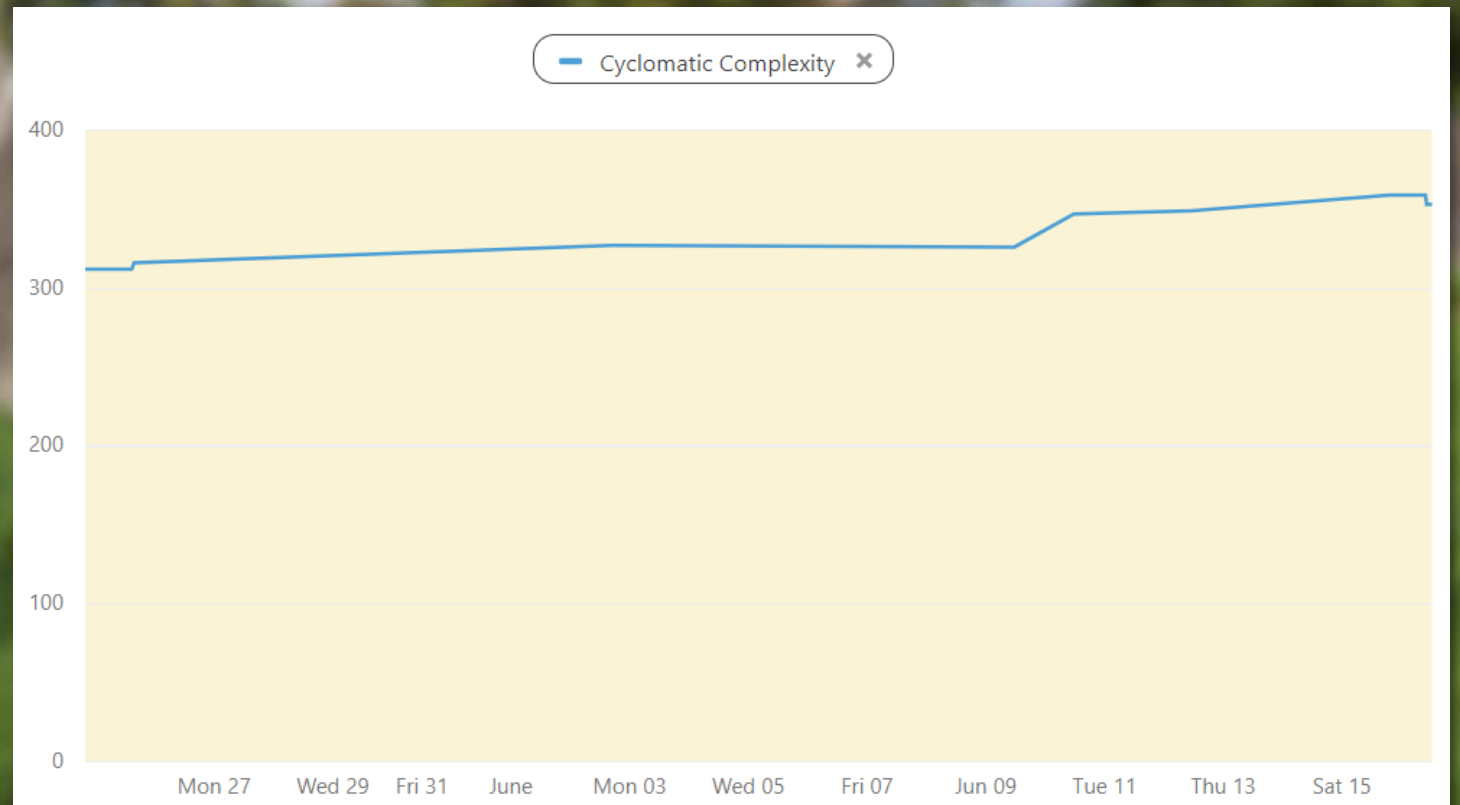

Code Review

Metrics



78.7%

Coverage ?



Thank you for your attention



digiwill

Image Sources

- <https://blog.vrypan.net/2018/10/08/181008-the-graveyard-of-internet-services-does-not-have-to-be-the-graveyard-of-your-creativity-too/>
- <https://www.thecuriousdev.org/new-in-spring-boot-2/>
- <https://www.mongodb.com/brand-resources>
- <https://www.thymeleaf.org/doc/tutorials/2.1/usingthymeleaf.html>
- <https://thenewstack.io/docker-is-a-symbol-of-the-new-stack/>
- https://medium.com/@_oleksii_/how-to-backup-and-restore-jenkins-complete-guide-62fc2f99b457
- <https://itunes.apple.com/us/app/youtrack/id1028024655?mt=8>
- <https://git-scm.com/downloads/logos>
- https://flowsphere.ch/de_DE/about-us/scrum-org-logo-circles_transparent/
- <https://usemobile.com.br/metodologias-para-desenvolver-um-aplicativo/>
- <https://www.globalemancipation.ngo/technology-partners/github-logo/>
- <https://cucumber.io/>
- <https://automationfc.com/2016/04/30/java-webdriver-12-cac-van-de-khi-chay-kich-ban-selenium-voi-trinh-duyet-ie/>
- <https://www.univenton.de/blog-de/2016/03/jenkins-neu-im-app-center/>
- <https://maven.apache.org/>
- <https://png.pngtree.com/svg/20170825/a56681429f.svg>
- <https://unfuddle.com/>
- <https://github.com/snyk/jobs>
- <https://twitter.com/endlichcleannet/status/3361740397>