



Evendo

Stay organized.

Agenda



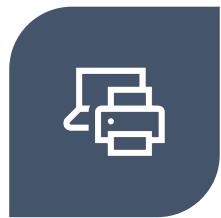
INTRODUCTION



WHY SHOULD
YOU TAKE US?



PROJECT
MANAGEMENT



TECHNOLOGIES



ARCHITECTURE



QUALITY
ASSURANCE



DEMO



FUTURE
PLANNINGS

What happens if



9 MONTH'S OF
DEVELOPMENT



3 MOTIVATED
DEVELOPERS



WITH 1 PASSIONATE
PROJECT MANGER



A GREAT IDEA

comes together?

Evendo



Advantages of Evendo



STAY ORGANIZED



NEVER FORGET
ATTENDING TO A
MEETING



SYNCHRONIZE YOUR
CALENDAR WITH OTHERS



ADD TODO'S TO
APPOINTMENTS

Why should you take us?

Image a team of 3 person **without** Evendo:



Your team takes a lot of time to plan their meetings.



But maybe your colleague missed to prepare for the meeting because of stress or missed to finish something before



The productivity of your company drops

Why should you take us?

Image a team of 3 person **with** Evendo:



Your Team plans their meeting
easily with evendo



Your colleague added some
TODO's to this appointment
before. Everybody is prepared
now.



The meeting was great! The
productivity of your company
increases!

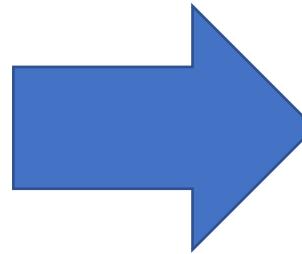
But what's that in numbers?



Your team:
3 developers with an
hourly rate of 45€



Our Internal studies
resulted an productivity
increasement up 25% by
using Evendo



Your price for Evendo Software:
1999€ + 150€ monthly fare.

If you take an advantage of 25%
of your employees productivity
measured on their hourly rate:

Evendo will be payed off after
only 1 month

Project Management



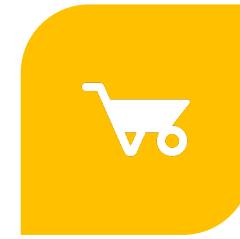
SCRUM – Why do we use it?



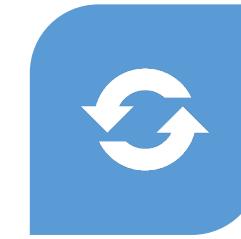
SAVE TIME AND
MONEY



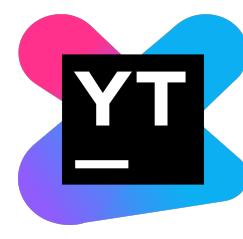
ENCOURAGES
TEAMWORK



EASY TO WORK
WITH



AGILE TO MAKE
CHANGES



TOOL:
YOUTRACK

Our YouTrack

The screenshot shows a backlog of cards in the YouTrack application. The cards are categorized under 'Uncategorized Cards'. Each card includes a title, description, assignee, priority, type, and subsystem. There are also time tracking and verification status indicators.

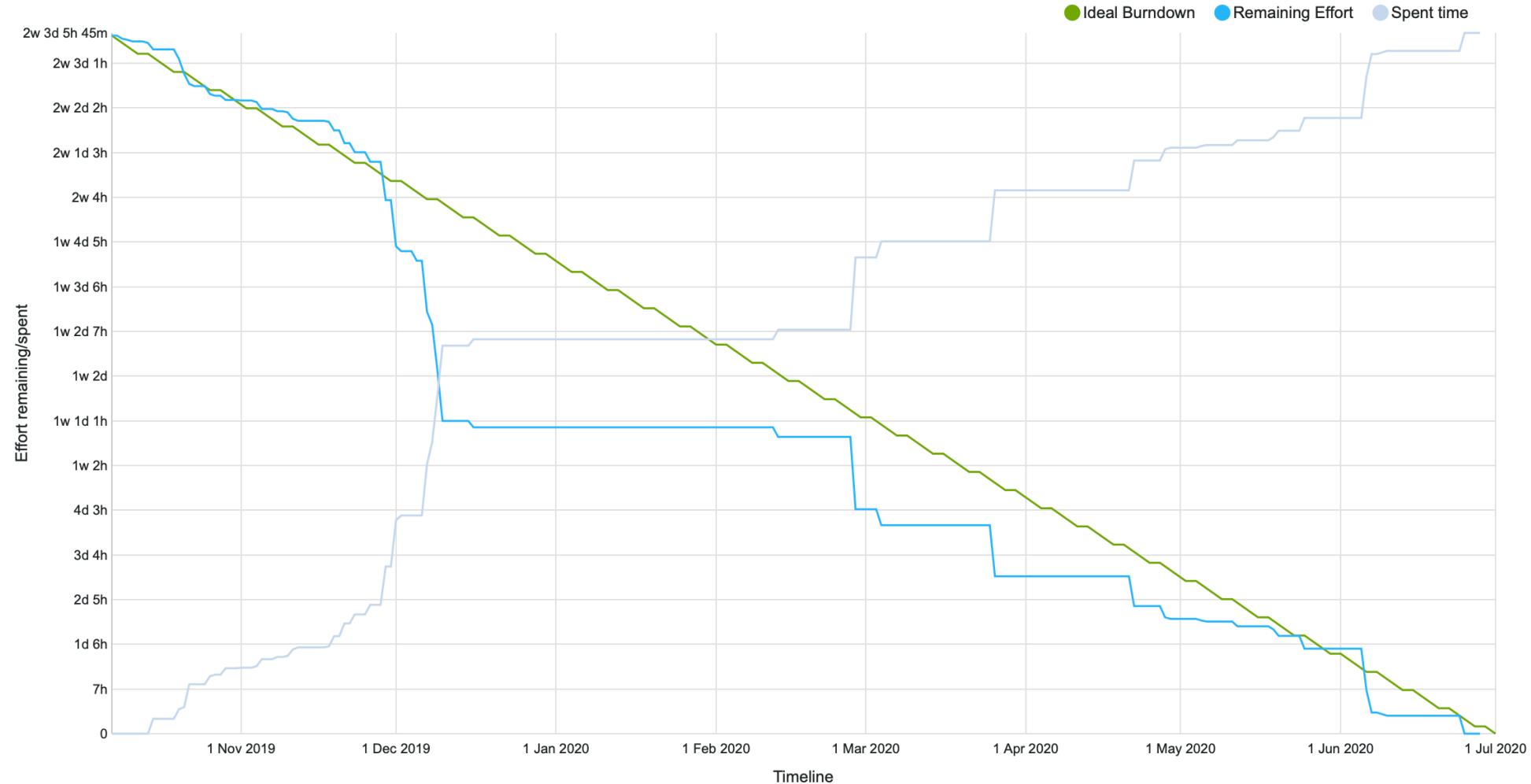
Card ID	Title	Description	Assignee	Priority	Type	Subsystem	Time Tracking	Verification Status
EVENDO-61	OnPressAction for Events	Events should display all assigned todos onClick	KG	Normal	Task	No Subsystem	5h	0m
EVENDO-112	[Backend] Code coverage	We needed to add the code coverage, fixes some issues (by Ms. Berkling)	NS	Normal	Task	No Subsystem	2d	2d10m
EVENDO-62	Add CreateTodo Activity	Todos should be created similarly to events (or should they? @nschmuck @Marius)	KG	Normal	Task	No Subsystem	6h	1d5h30m
EVENDO-113	Add RUP Workflow to old issues		MA	Normal	Task	No Subsystem	10m	9 cards
EVENDO-109	Chenge folderstructure for UML and UseCases		MA	Normal	Task	No Subsystem	30m	
EVENDO-16	Design Thinking General X	create a design prototype for the UIs of the app	NS	KG	+1	Minimal Task No Subsystem	2h	
EVENDO-110	Write Risk-Management Document		MA	Normal	Task	No Subsystem	1h	
EVENDO-111	Write Function Points Document		MA	Normal	Task	No Subsystem	1h	
EVENDO-108	Write jUnit-tests		MA	Normal	Task	No Subsystem	3h	

Features:

- We automated our Time Tracking with YouTrack in our IDEs
- Automated generation of Charts

YouTrack Burndown Chart

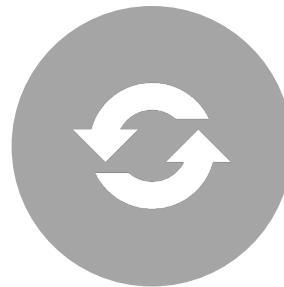
Burndown



RUP – What is that?



Rational Unified Process



Iterative Development
Process

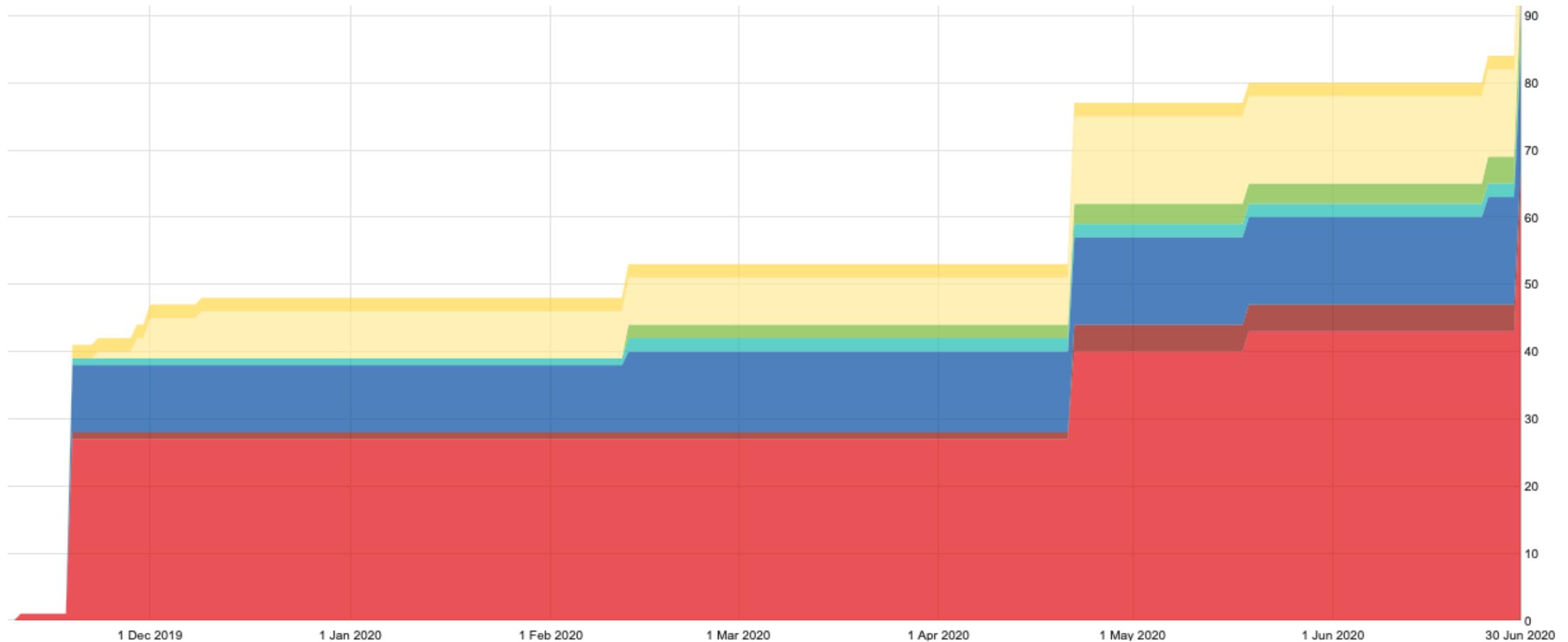


Categorize Tasks into
groups



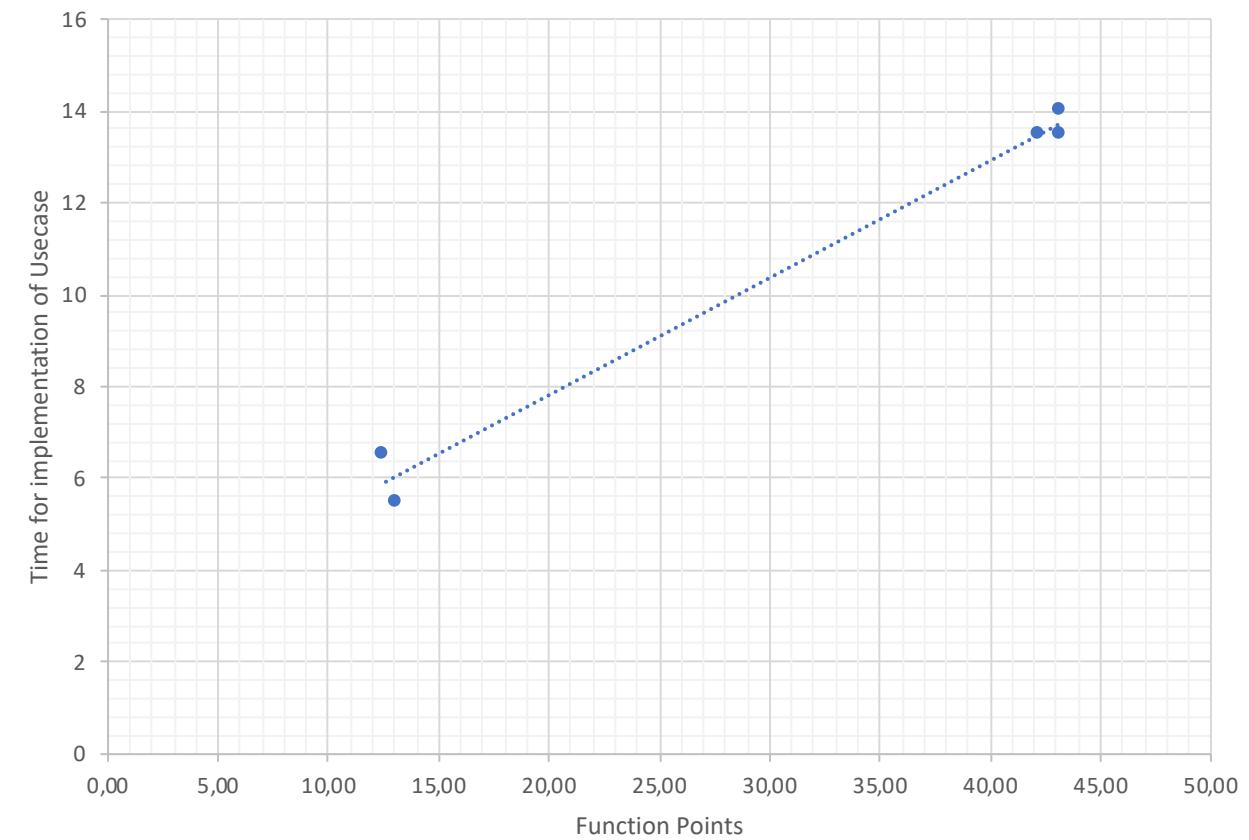
Continuous Quality
Assurance

Our RUP Chart



Time and Function Points - Costs

Users	Time estimated	Time spent
Total time	175h 30m	109h 45m
KG - Kolja Groß	21h 20m	
MA - Marius	37h 39m	
NS - nschmuck	50h 46m	



Costs in detail

A new usecase with 30 FP will approximately take 11 hours.

Our company:

Hourly rate of us: 18€

Estimated price: 198€

Other companies*:

Hourly rate for a software engineer: ~ 45€

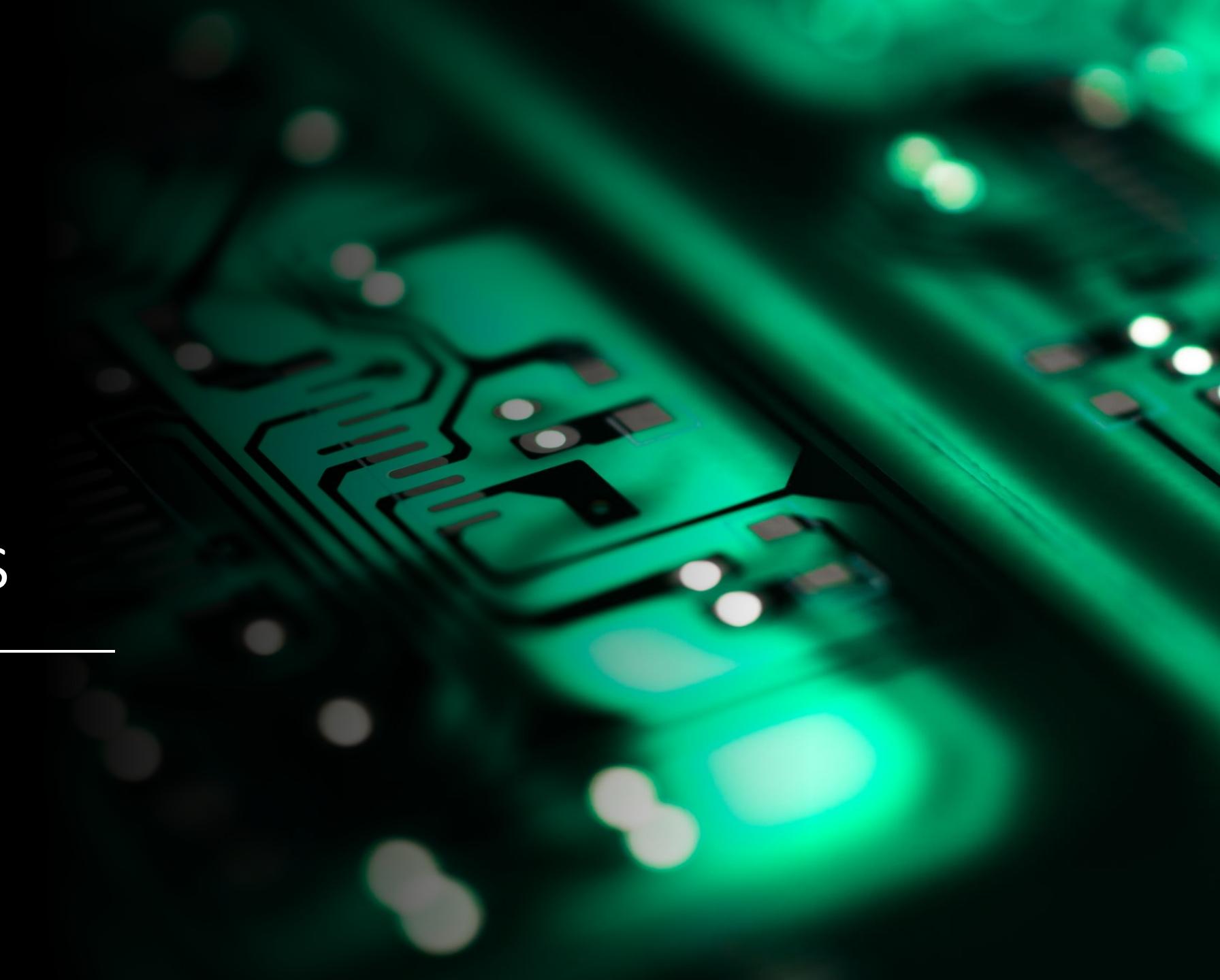
Estimated price: 495€

You will save 297€

* Estimation on gulp for a Software Engineer



Technologies

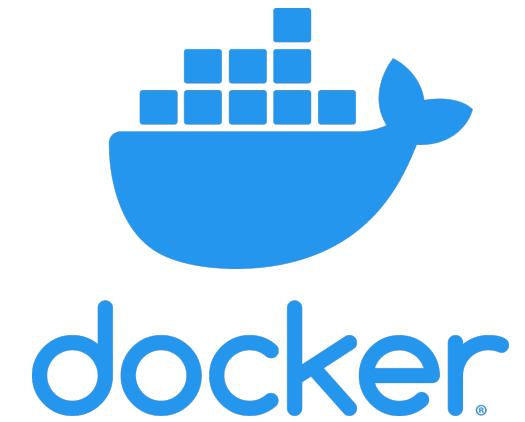


Technology overview

Frontend Technology Overview



Backend Technology Overview



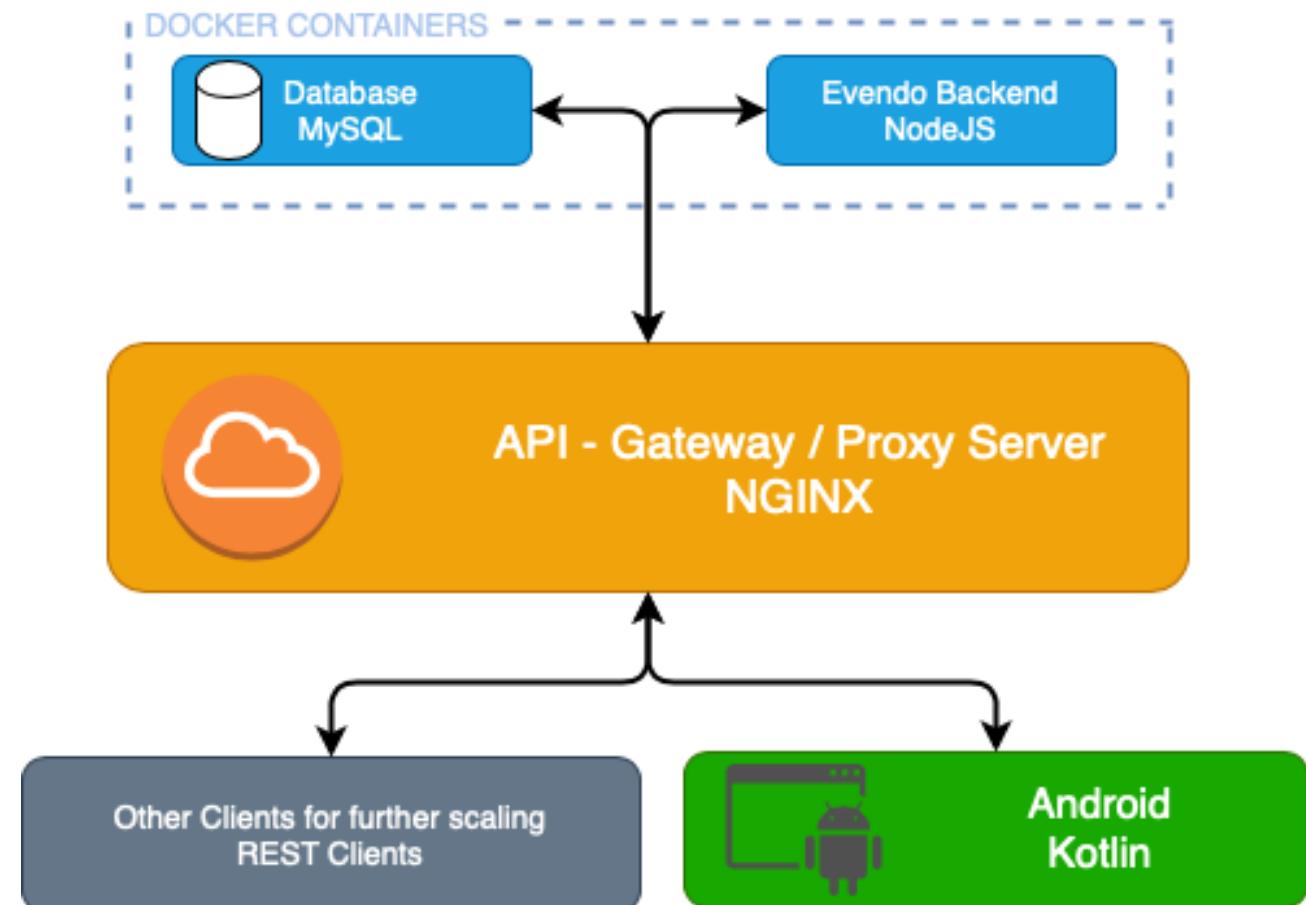
Technology Stack Diagram

We are using a three-tier architecture

Data & Backend Server Layer

Logic Layer

Presentation Layer



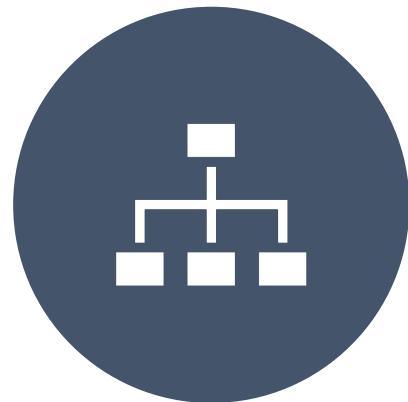
But what's the profit?



LOWER COMPLEXITY INSIDE THE
SYSTEM



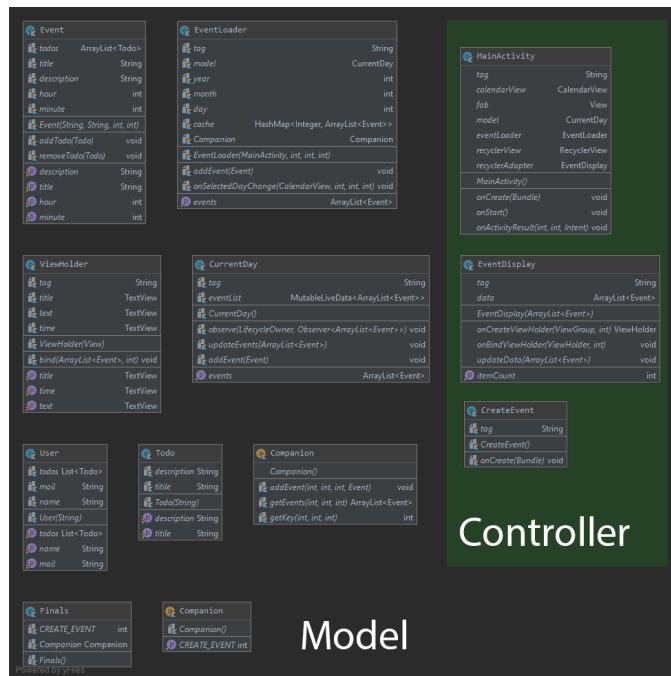
SCALABILITY BECAUSE OF OUR
PROXY SERVER LAYER AND DOCKER



CLEARLY DEFINED STRUCTURE

Class Diagram

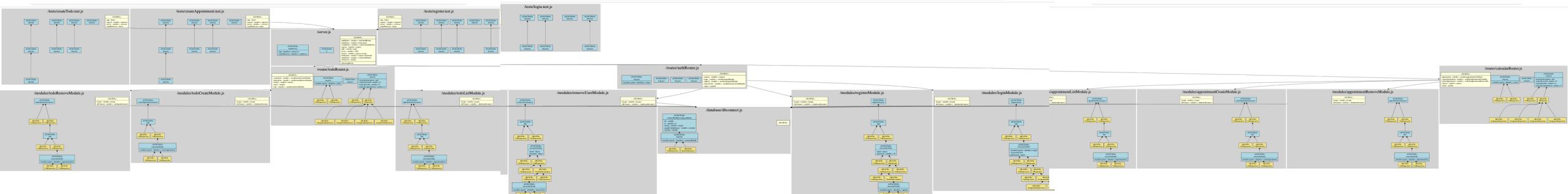
Frontend Class Diagram:



Controller

Model

Backend Class Diagram:



Quality Assurance



Quality is more important than quantity. One home run is much better than two doubles.

Steve Jobs

Why is this so important?



For you it should be so easy
to maintain our code



Performance is no wish, it is
a requirement

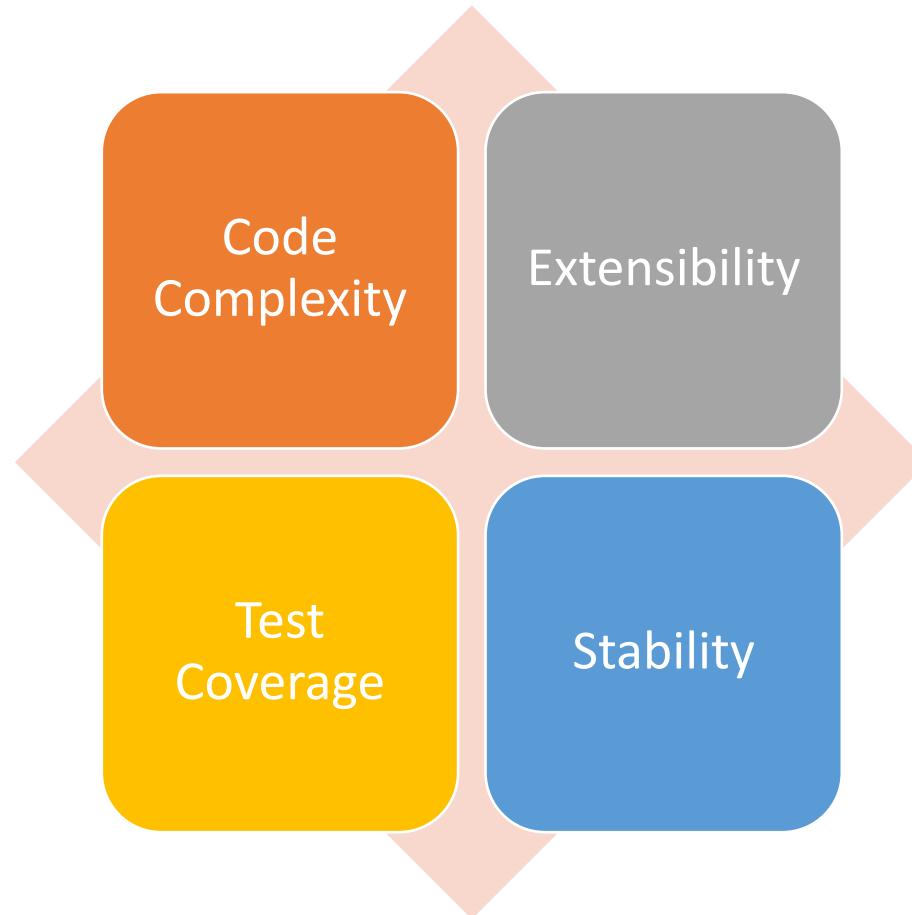


Time is money



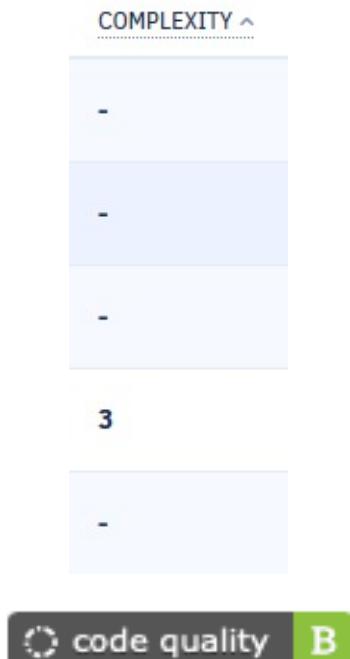
Tool should work all time

Our definition of Code Quality



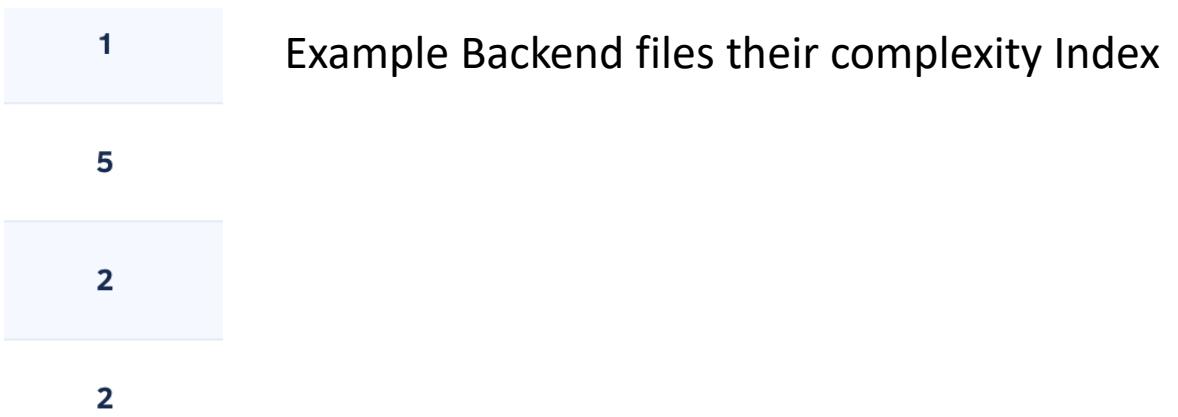
Code Complexity

Frontend



Backend

Complexity Index: Lower scores are better



Explanation: The Grade is
from A – F. A is the best, F
the worst.



Insertion: Testing



Testing Frontend



Cucumber tests for incorrect user inserts and internal convert of Variables

JUnit tests functions for successful execute

Espresso tests our UI to keep it working

Continuous Integration:
Runs every time while compiling the Frontend Application (APK)

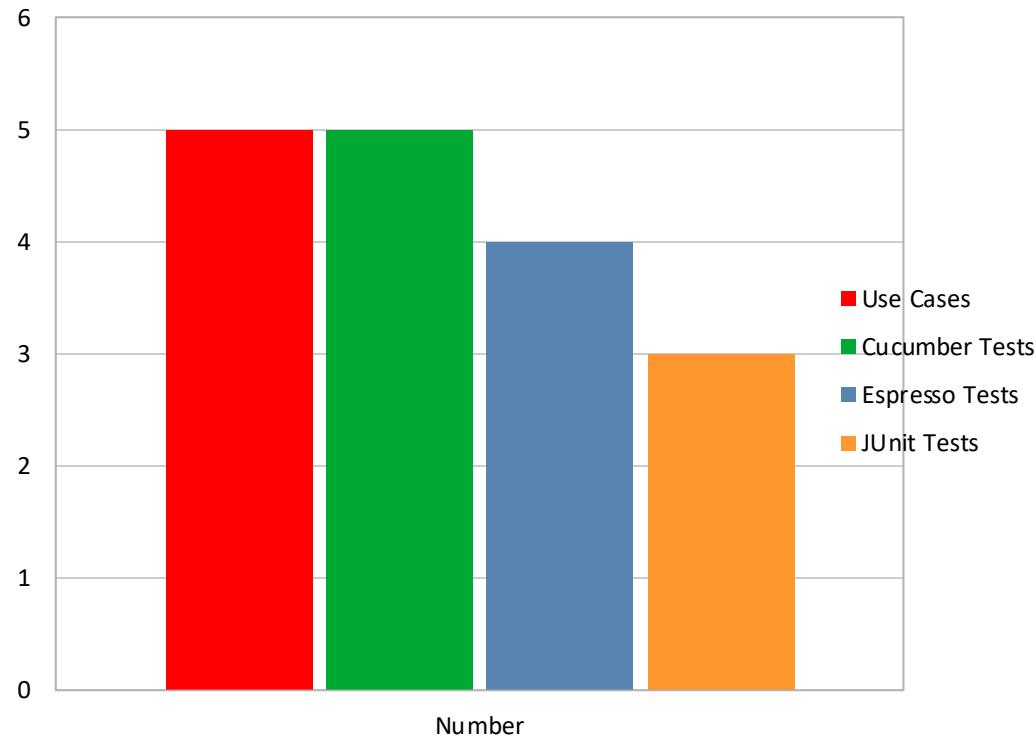


Testing Backend

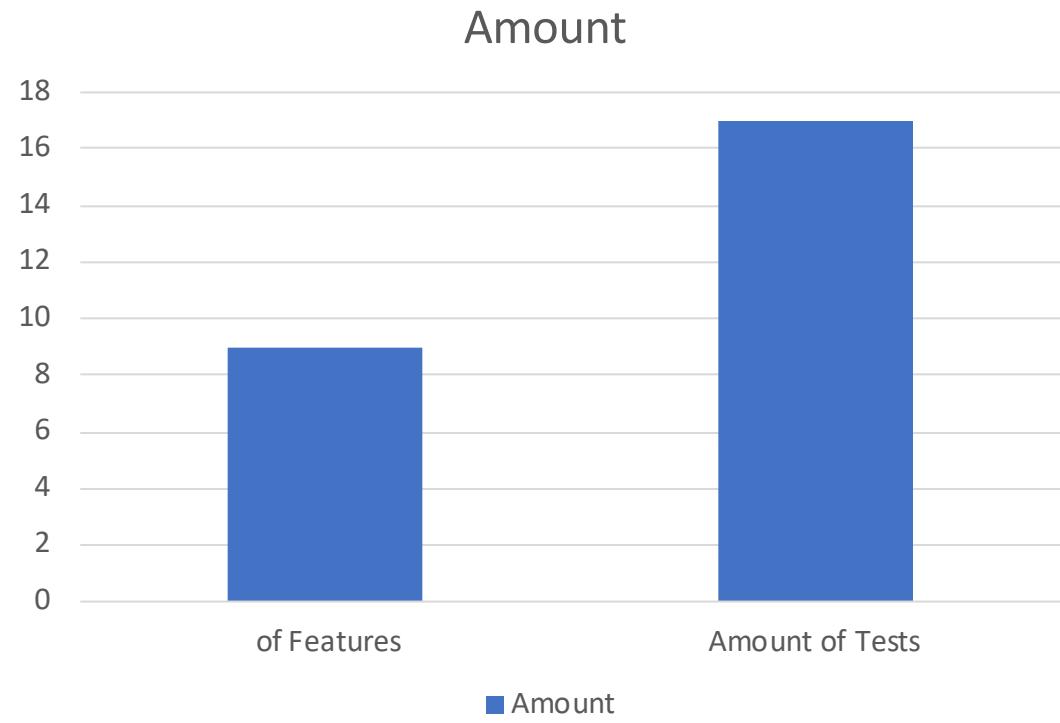
- Jest
 - Framework for automated Testing
 - Big companies like AirBnB swear on that
- Automation: runs every time on backend restart

Test Coverage

Frontend



Backend



Test Coverage

97.67%*

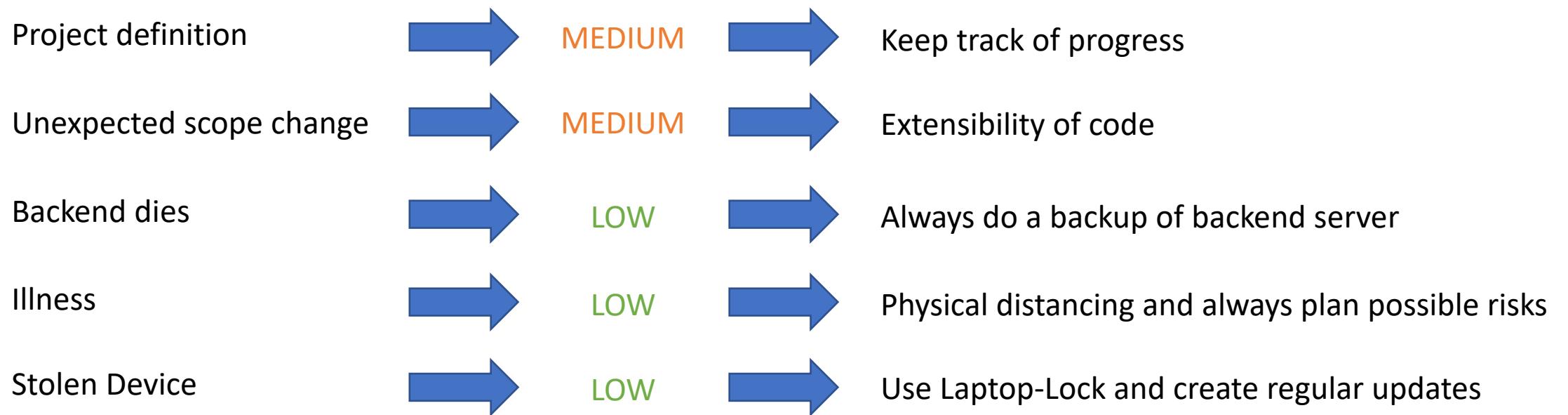
*Relative Result is measured in percentage of full functions

Stability

- We performed different stability tests over the last months
 - "Stress Tests"
 - Tests on idle (when nobody is using server performance)
 - "Crash Tests"
- And our result:
 - Evendo's Backend application is running for nearly three month's now!

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Risk Management



Observer Patterns

Frontend:

Observer Patterns in type of Observable Objects are used in our Frontend App

Backend:

Our Backend uses Observer Patterns for a great extensibility of new functions

Advantages:

- Low Costs
- Low Complexity



Demo



Future Plannings



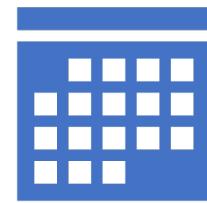
Possible Usecases



Update Events



Update Todos



Import Calendars

Thanks for
listening

