

KUMORI / by MathMagicians

++ Really good software architects ++



About Us

- Team of Top End Software Architects
- Cover from first idea to production
- Born to be agile
- Skill set: devops, solution, data, security, enterprise



Agata::

Opinionated architect, entrepreneur,
agile lover, inefficiency allergic



Johannes::

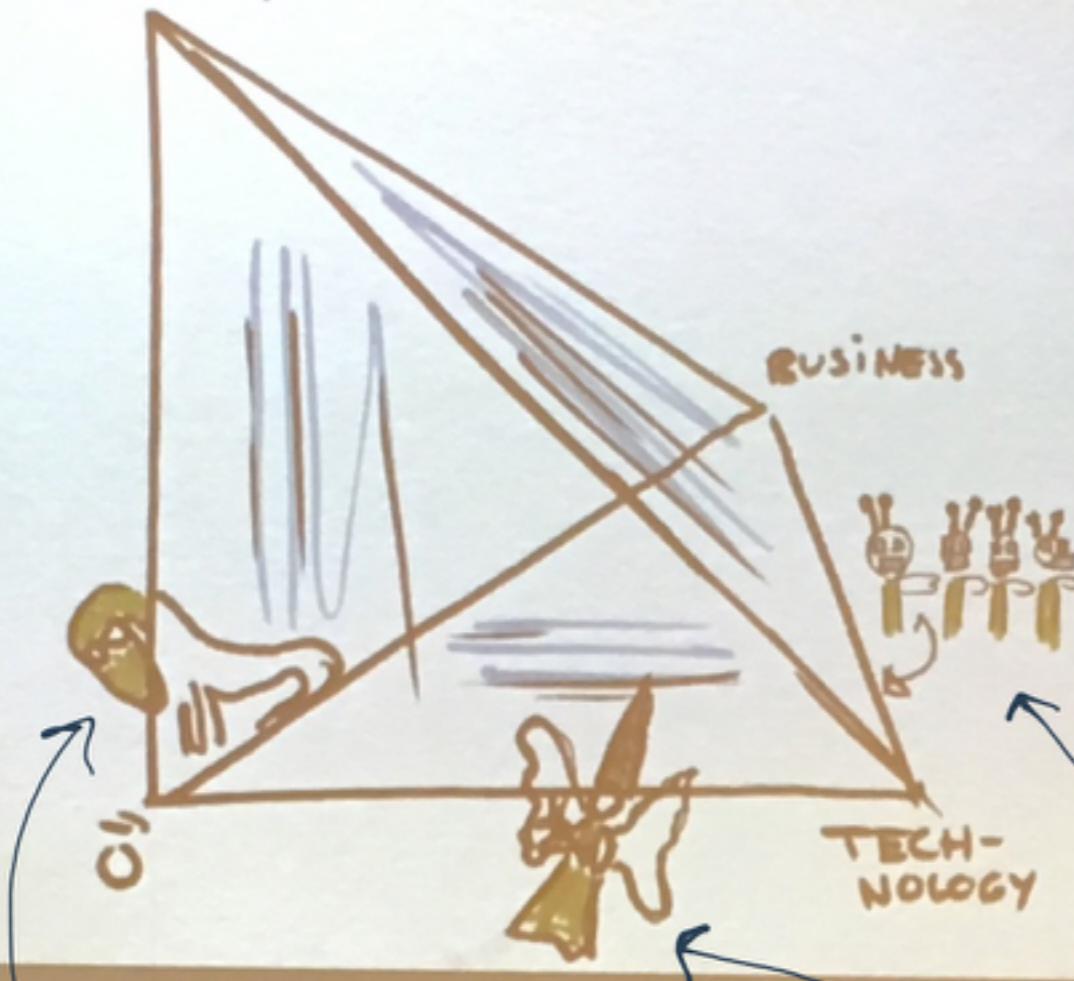
Serial entrepreneur, open source
enthusiast, domain architect

Software Architecture



- :: art of creating high quality technology
- It is all about people (Conaway's Law)

STRATEGY



the dinosaur knows
strategy & business

we could have added more
dimensions, like psychology.

3 dimensions
of skill.

if you only
know about
one of them,
you might
not be very
useful.

the robots only
think about
today.

the faeries
can hack but live in a
fairy tale land.



OTC
conference

Customer Cases

Lund&Bendsen
developing developers

RAMBOLL

OS²
offentligt
digitaliseringsfællesskab



KOMB:T
Kommunernes it-fællesskab

What problem are we trying to solve?

- Before:

Is it me, or is this project really f***** up ?!

- Then:

Crash ... booom
panic ...

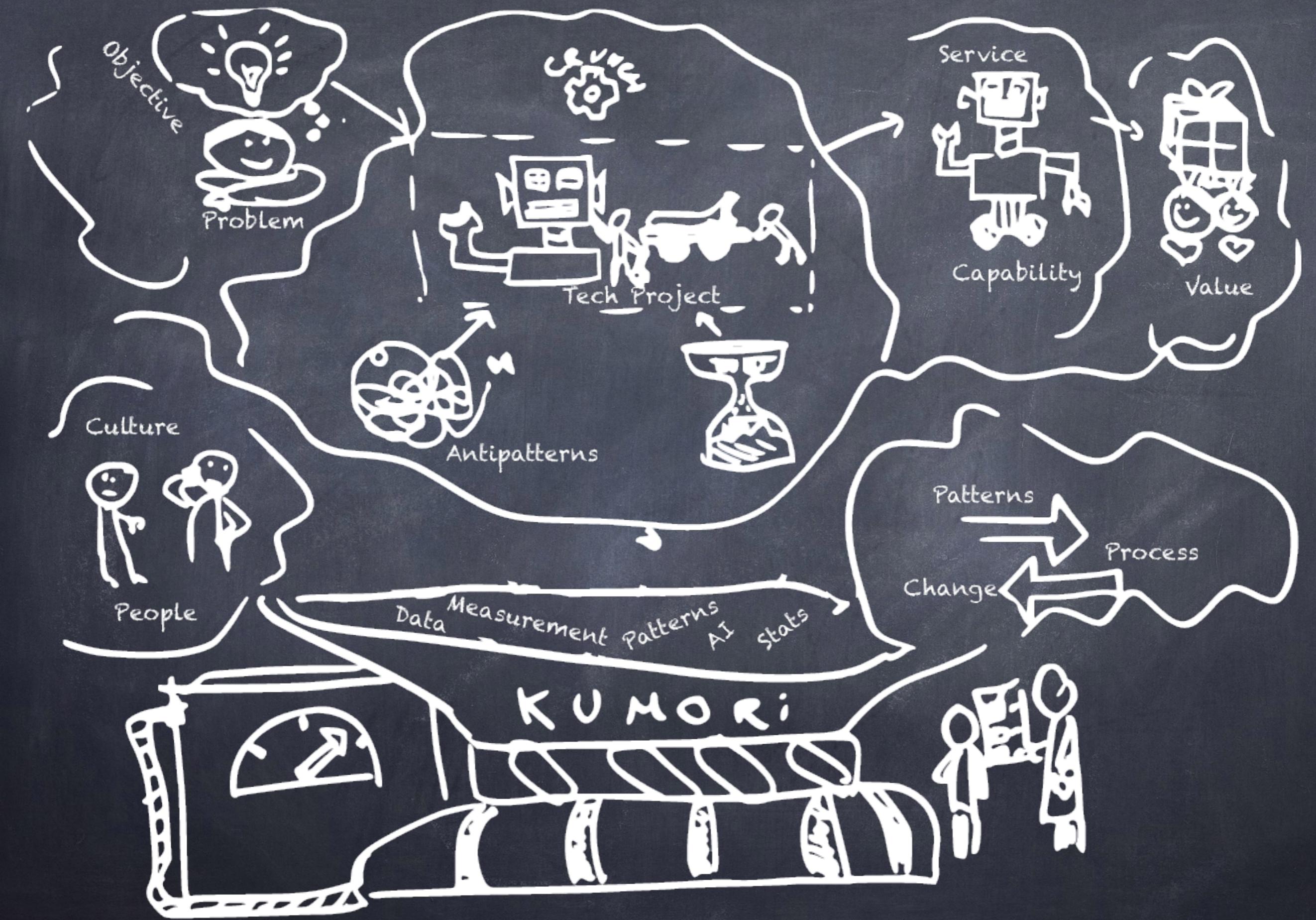
- After:

... I told you so !!

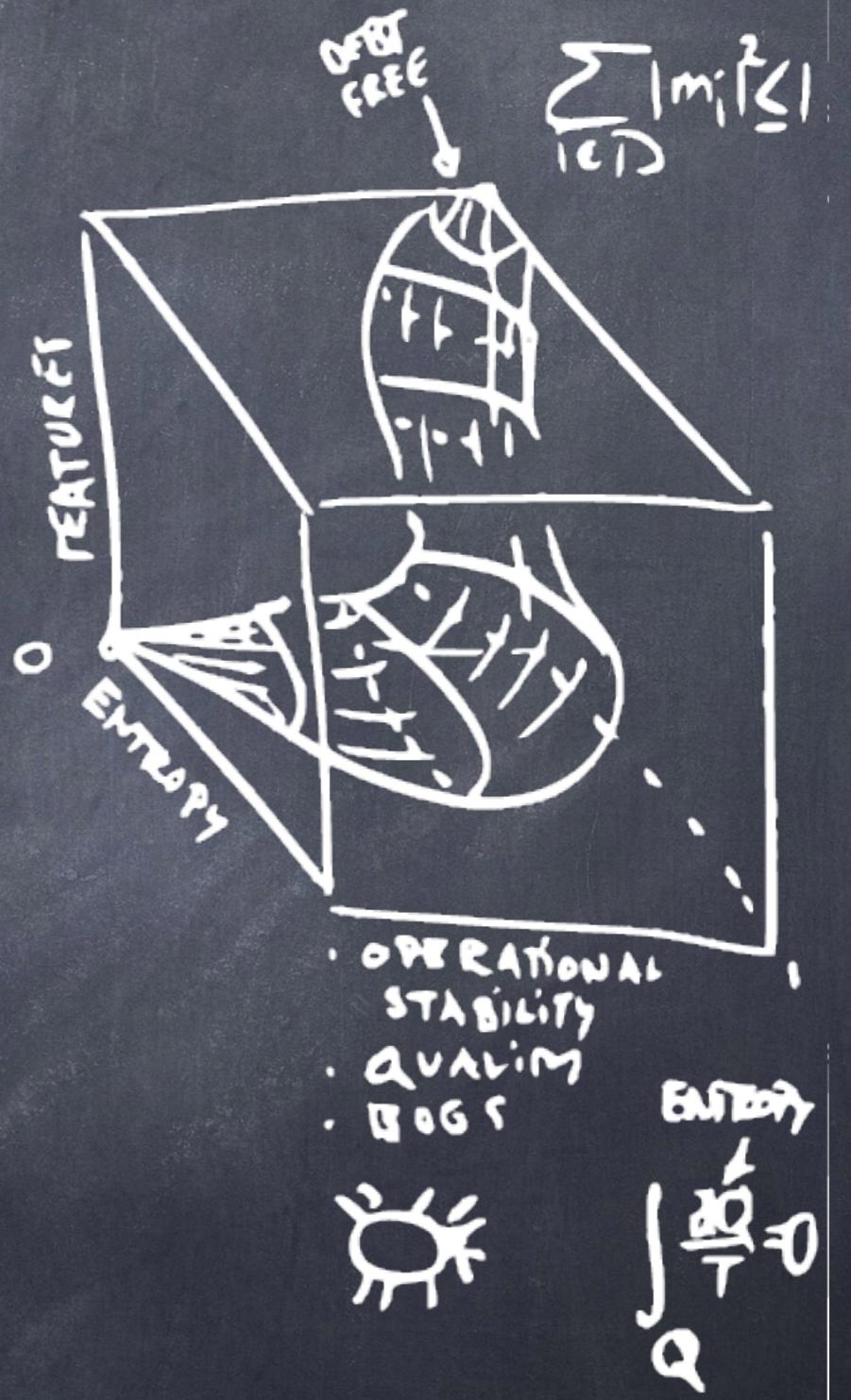
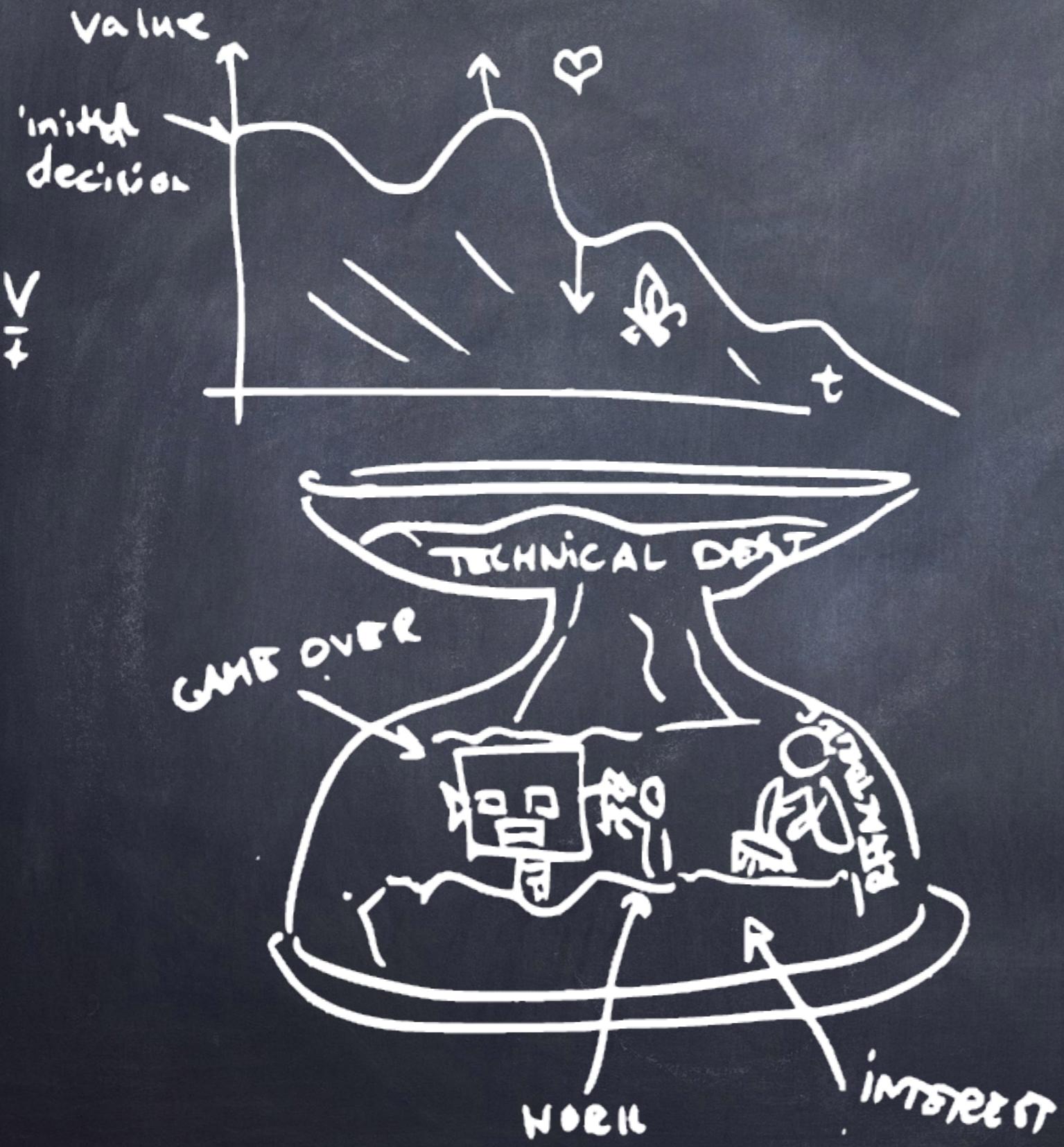


Kumori :: cloudy (Jap.)

- Create predictable weather forecasts for tech projects
- Predict problems before they arise
 - Building the right thing?
 - Building the thing right?
- Use available data and stats about tech, source code, collaborators, operations, bugs, org structure
- Construct models & train AI



Technical Debt



Manage with Kumori Forecasts

- predictability in tech projects
- translate “intuitions” to measurable architecture assessments
- realtime feedback on quality - make invisible flaws visible
- support data driven decisions - correct course of ship while time



Market

- Customers ? Companies with IT projects
 - digitalization
 - do it or die
 - expected value is higher than costs of IT project
- Estimate - 60 % of public IT projects fail to deliver value
- Example: Danish EFI
 - cost loss ~\$500,000,000DKK,
 - revenue loss ~\$20,000,000DKK

Service Model

open
source

-

harvest
data

-

model

-

train AI

forecasts

-

analyse
org

-

manage
tech debt

analyse
network

-

tech
reviews

-

monitor

-

act

service
contracts

-

reviews

-

custom
integration

FREE

Online

On Premise

Enterprise

What are we looking for?

- Advisory board - help with defining strategy for Kumori
- Sales channels (management consulting)
- Beta testers (Lund & Bendsen)
- Customers - wanna buy a license?
- Research collaboration partners - let us track & measure technical debt

Search in 45 technology components ...



Maybe 5

TO BE DECIDED 5

UNDECIDED 0

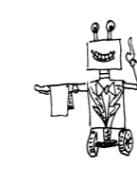


Buy 7

EXPERIMENT 1

TESTING 5

POC 1



Hold 31

DEFAULT 19

LIMITED 12

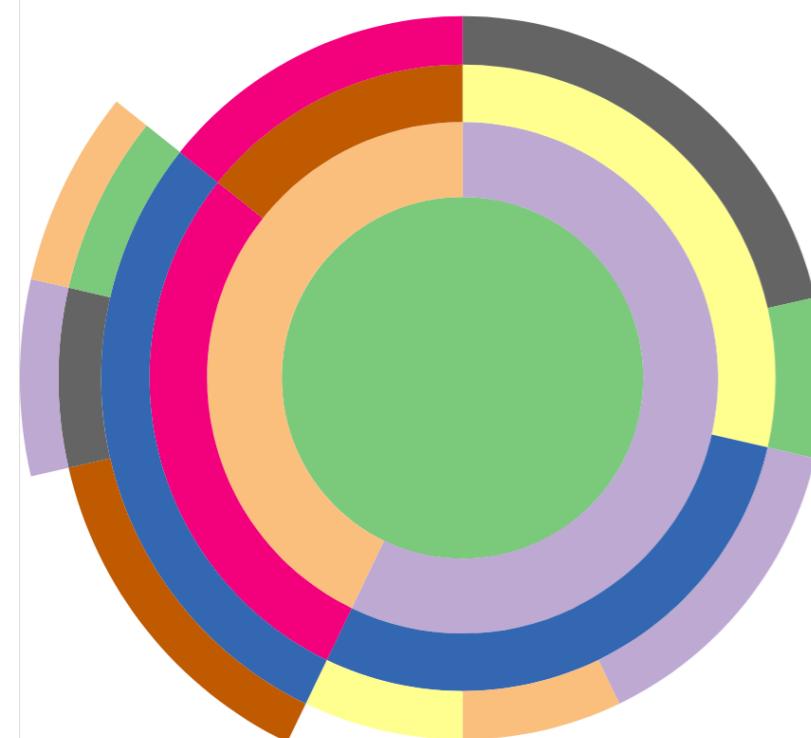


Sell 2

DEPRECATED 1

DO NOT USE 1

Search in Usecases



#techmenu is happily governing 45 technologies.

« < 1 - 25 26 - 45 > »

#Slack

LIMITED

.Net

LIMITED

Usecase Classification:

Delivery Services>Development>Design and Development>Languages and Libraries

Description:



.NET Framework is a software framework developed by Microsoft that runs primarily on Microsoft Windows. It includes a large class library named Framework Class Library (FCL) and provides language interoperability (each language can use code written in other languages) across several programming languages.

Usecases 4:

**Primary** Missing name for usecase

May be used for development targeted the Windows platform.

LIMITED

**Secondary** Converted scope

Limited for Typical Taoists Inc

LIMITED

**Scope:** Typical Taoists Inc

LIMITED

**Secondary** Converted scope

Default for Gigantic Teleporters Inc

LIMITED

**Scope:** Typical Taoists Inc

LIMITED

**Secondary** Converted scope

Default for Brave Traders Inc

LIMITED

**Scope:** Typical Taoists Inc

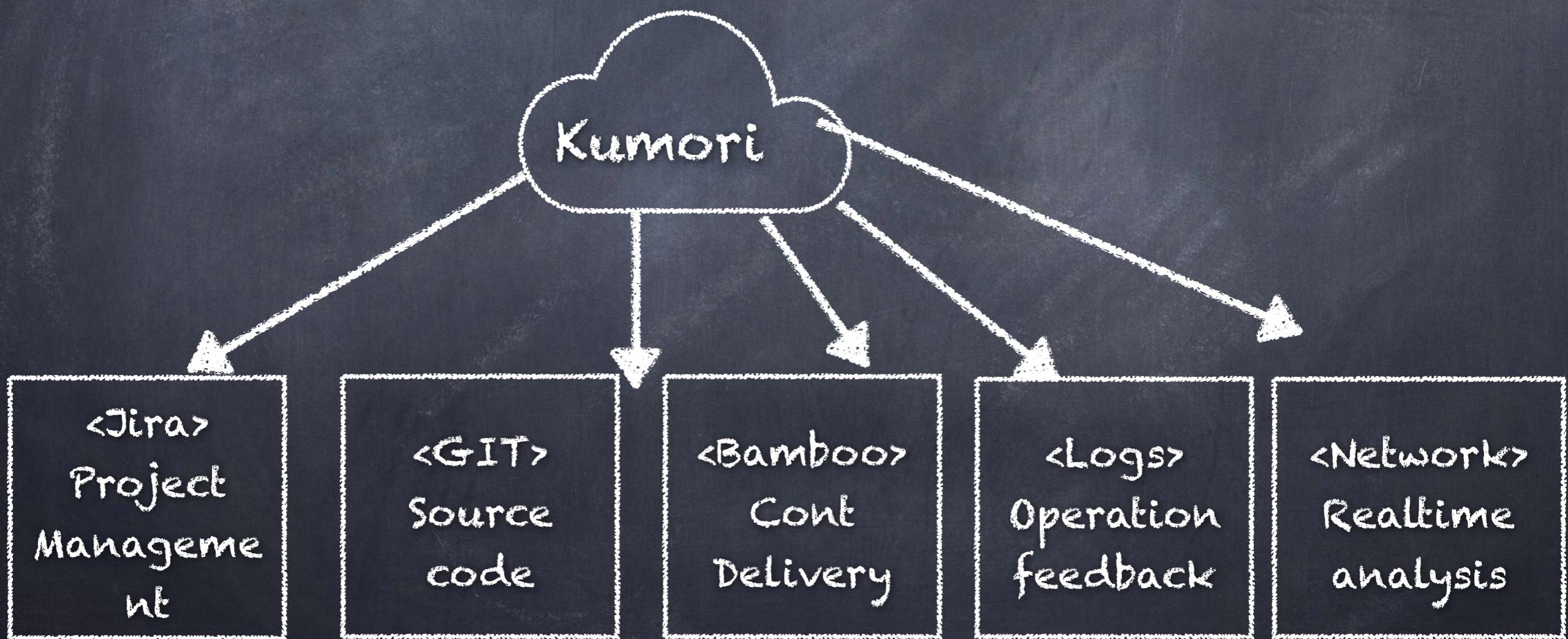
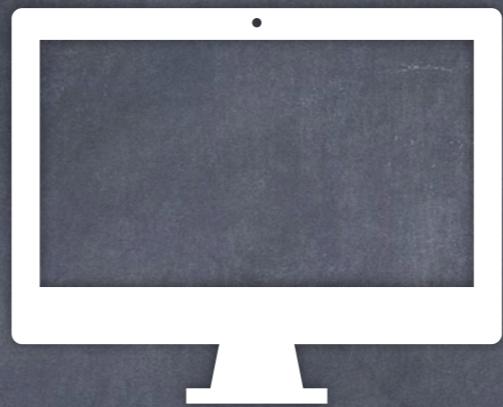
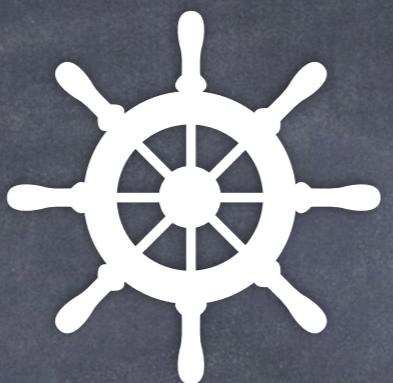
Licenses:

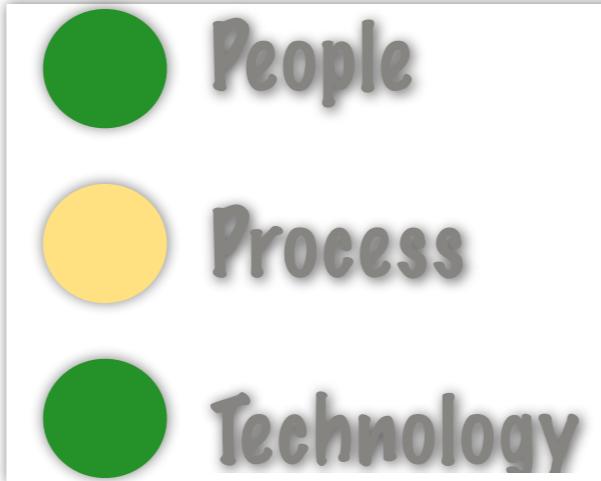
Comments:



7-zip

TO BE DECIDED

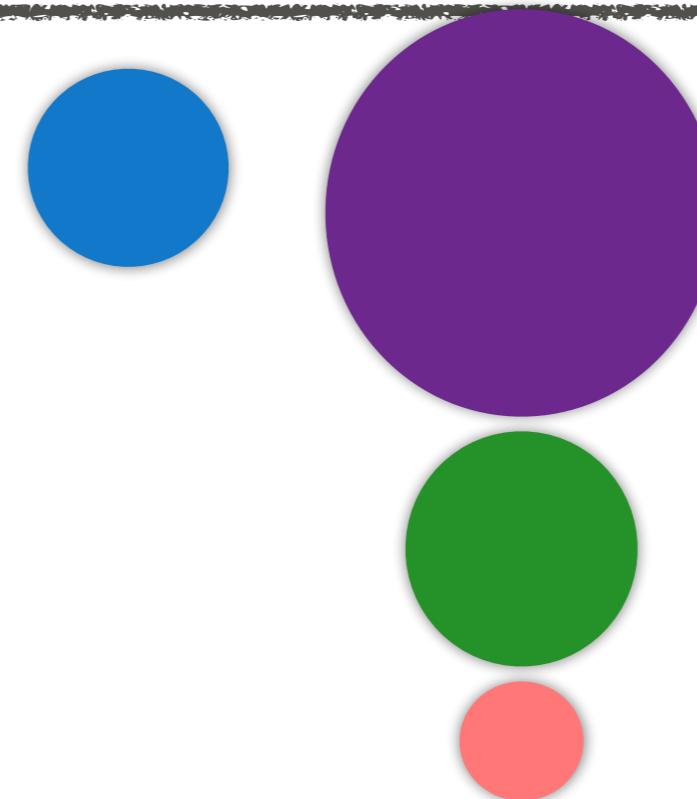




Project timeline



Requirements
Design
Code
Test
Deployment
Operations



Trend

