



UniKnowledge

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Problems

Lack of knowledge sharing between students

Absence of archive = Lots of questions are redundant

Decentralized, messy access to learning resources

The problem affects students who encounter issues in a certain domain during their higher education cursus.

A solution to this problem could have a positive impact on students results but also on course quality and reputation of Higher Education Institutions !

Our Solutions

Provide an online platform to ease the contact between students needing help and those who can help them.

Provide a centralized place where teachers could publish solutions, tips and tricks making them widely available through the students community.

Boost Students engagement with an Academic Credits Reward System

Users & Stakeholders

Users

Students

Teachers

Institution Administrators

Stakeholders

MOKATH Team

Higher Education Institutions

Core Features

- Questions Filtering based on users needs
- Profile Management
- Anonymous Question Posting & Answering
- Institution Profile Management
- In-App Credits and Academic Cursus Credits Exchange

Non-Functional Requirements

Scalability : The system must be scalable up to large pools of users

Long-term Support : The system must be based on strong and widely spread technologies with an important support community

Modularity : The system must serve as a base for future expansions

Documentation : Every component and action on the system must be well documented on a dedicated Wiki

Robustness : Every component should be robust and asserted with unit tests

Monetization

We believe our product can improve Institutions Courses quality and reputation.

Institutions will be billed yearly subscription fees including access and usage of the platform and support.

Monetization (Stefan's Special Slide)

According to Eurostat, in the EU-28, there were 19.5 million tertiary education students in 2015 repartited in 2465 higher education institutions.

http://ec.europa.eu/eurostat/statistics-explained/index.php/Tertiary_education_statistics

These datas would be an approximate market size in Europa only. Taking the whole rest of the world, it brings us to about 207 million of students around the world according to UNESCO [5]

<http://unesdoc.unesco.org/images/0024/002478/247862E.pdf>

Tech Stack

The tech stack will be the following :

JEE7 as backend tech

Widespread technology with long term reliability, strong support and adoption in the industry.

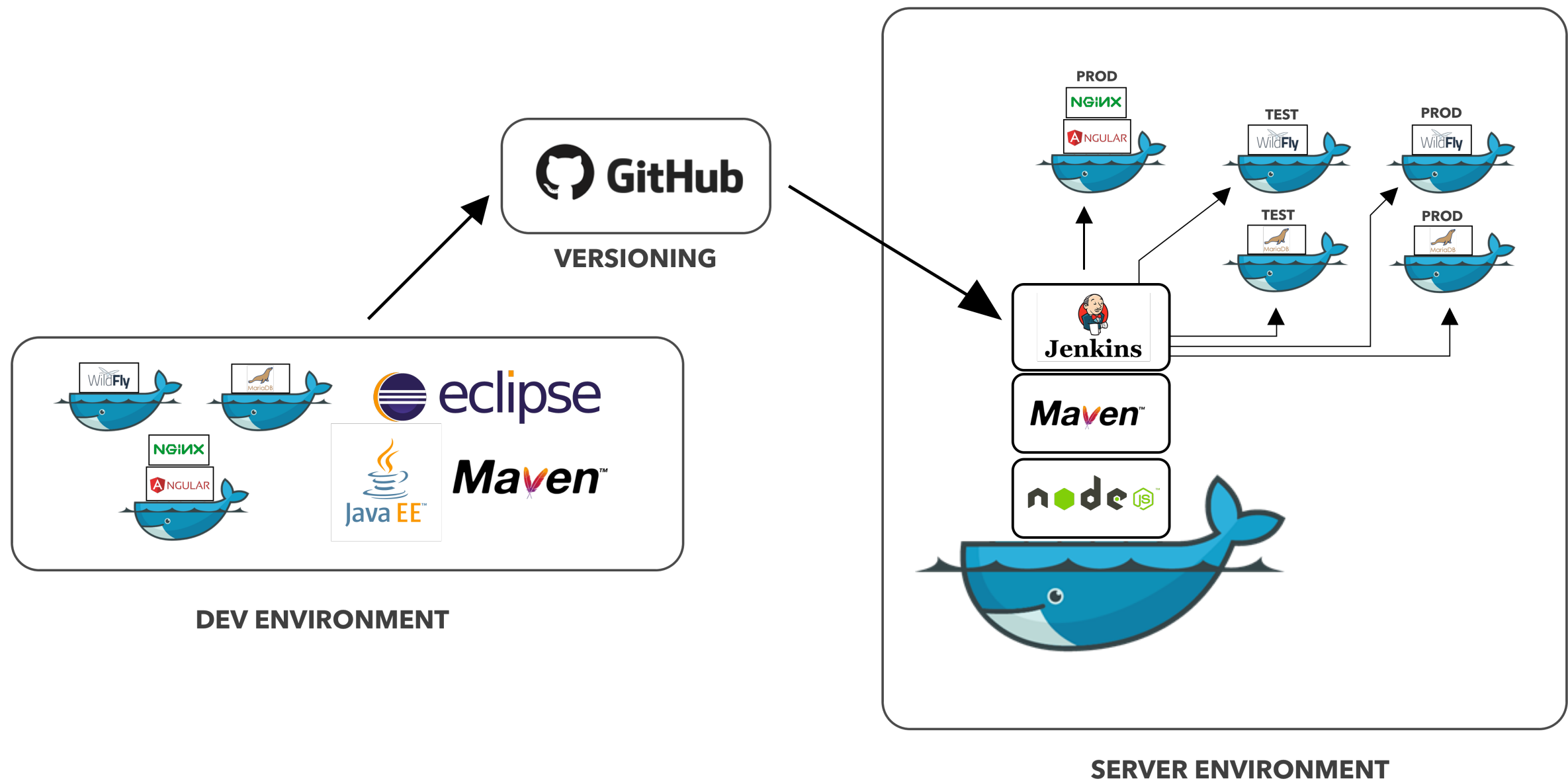
Angular 5 as frontend tech

State of the art Web SPA JS Framework largely used in modern web application projects

Jenkins as a continuous delivery pipeline, **Wildfly** as application server and **Maven** as build automation tool

Docker will serve as deployment base for convenience and scalability

Tech Stack



Upcoming issues

Short Time Window

Poor Knowledge of the Tech Stack

/dev/null Experience in programming

First time Team Work

LACK OF EXPERIENCE !

Upcoming issues



We're gonna do it anyway :-D

Workload Estimation

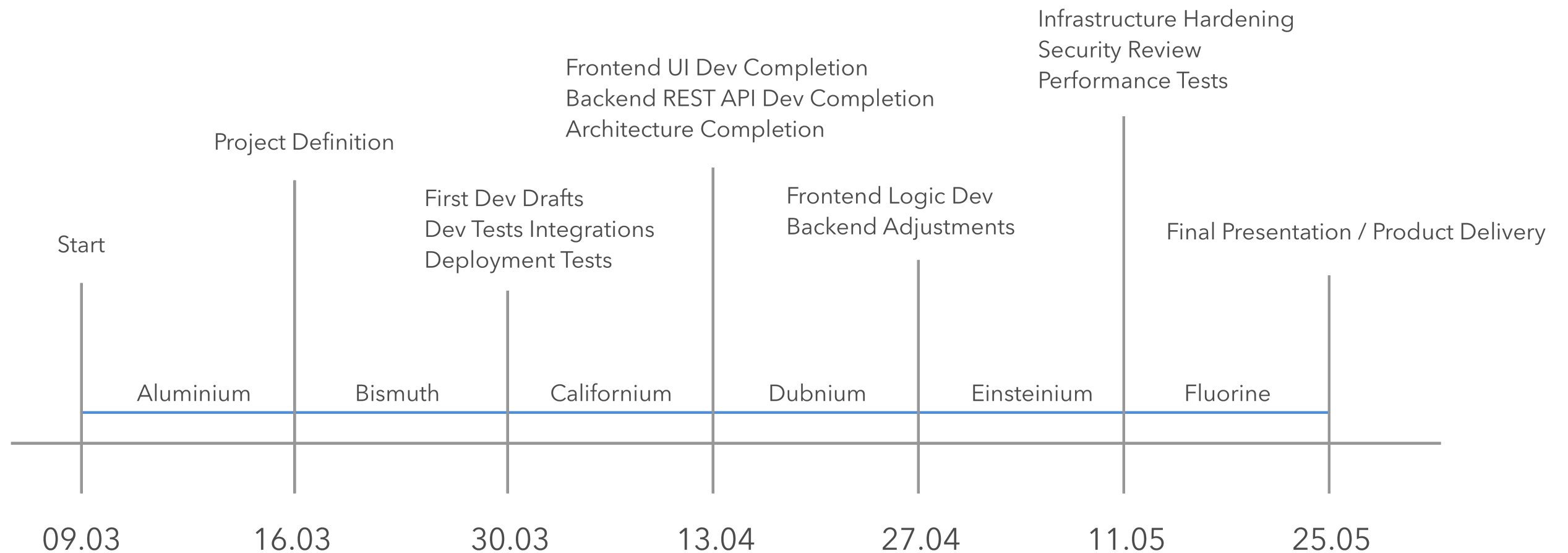
Project Management : >9'000 hours

Web Frontend : ~ 120 cumulated hours

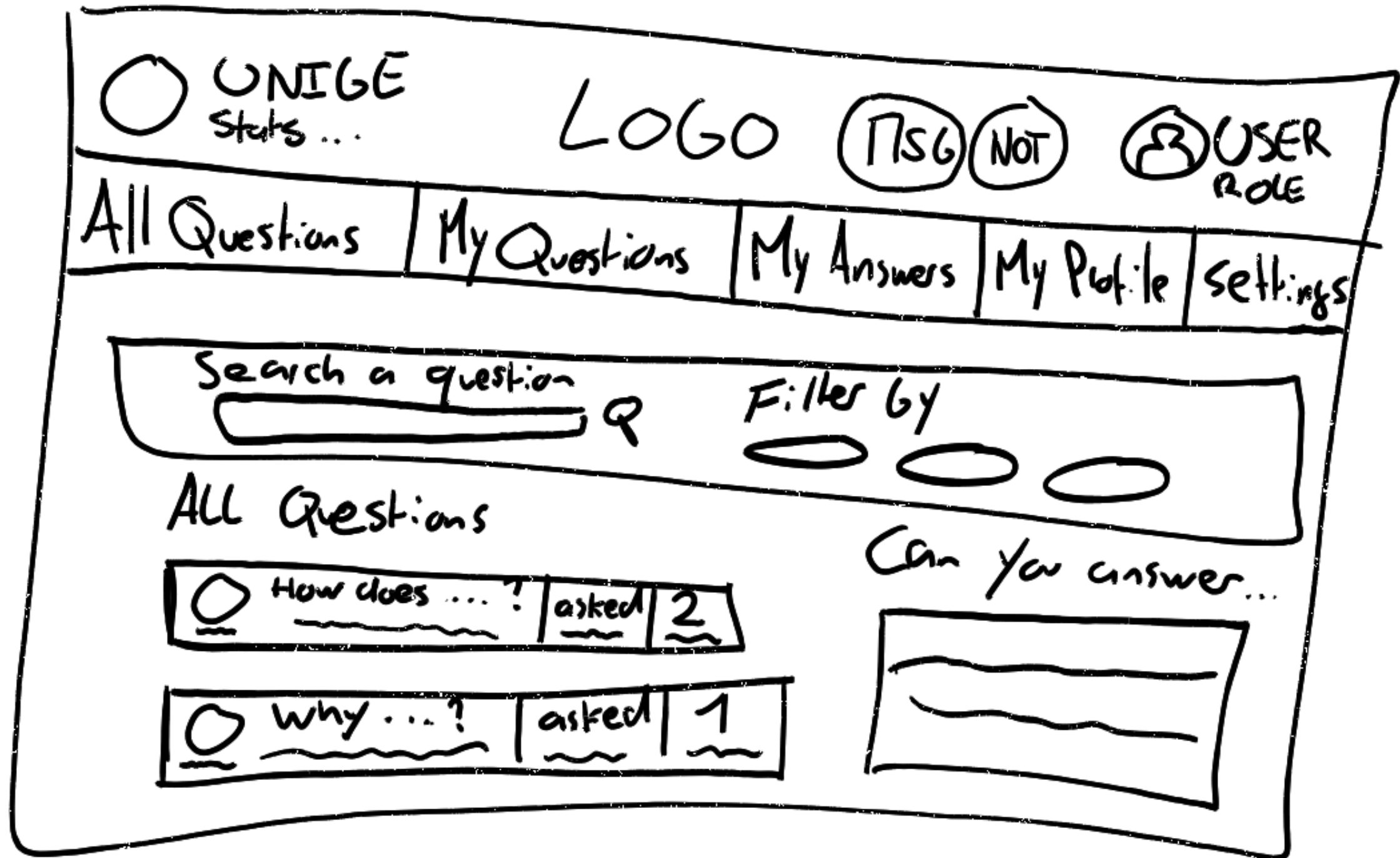
Backend + Database : ~ 90 cumulated hours

System Administration : ~ 40 cumulated hours

Timeline



Storyboards Sketch



Storyboards

DEMO

Q&A