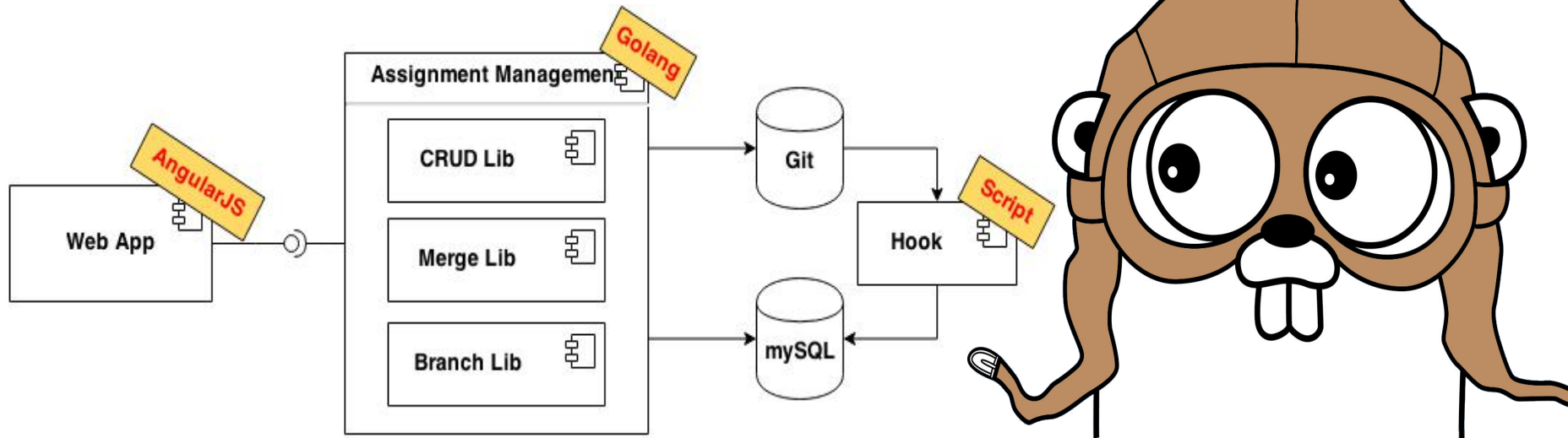# MatHub

Team Yellow

Reminder

What is MatHub?:

- Revision control system for academic assignments
- Online TeX-Editor
- Share your solutions, help a friend or ask questions
- ~~Link and quote other work easily~~

$\implies$ The open scource mentality

Architecture:

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Functionalities

What does MatHub offer:

- Basic user management

- Online TeX-Editor
    - Syntax highlighting
    - Realtime rendering
    - Display interactive D3 graphics
    - Copyable Result
    - Annotatable lines

- Create, update, read and delete
    - Assignments and Solutions
    - Comments
    - Universitys and Lectures

- Searchfunction for Text/Latex

- Versioning of Assignments/Solutions

Project Management

Taiga.io:

$\Longrightarrow$ Agile Project Management Tool

• We actually used Taiga.io as a Project wiki and nothing more.
But it's still a good extension to the project management

GitHub.com:

$\Longrightarrow$ Repository management

Docker:

$\Longrightarrow$ Easy deployment

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Project Wiki

Search something ...   **Browse**   **About**   **Blog**   **Contact**   marcel

RWTH / LA / UN12

```
1  \begin{pspicture}(-2,-2)(2,2)
2  \userline[linewidth=2pt,linecolor=green]{->}(0,0)(2,2){-x}{-
3  \userline[linewidth=2pt,linecolor=red]{->}(0,0)(2,2){0}{y}
4  \userline[linewidth=2pt,linecolor=purple]{->}(0,0)(2,2){-x}{
5  \userline[linewidth=2pt,linecolor=lightblue]{->}(0,0)(2,2)(s
6  \end{pspicture}
7
8  $$\alpha \beta$$
9
10
11 $$\sum^1_2$$
```

$$\alpha\beta$$

$$\sum_{2}^{1}$$

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Project Wiki

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Problems

Solved:

- Npm - file paths to long
- Comment section - rekursiv use of directives
- Versioning of the assignments / solutions
- Latex editing environment in Angular
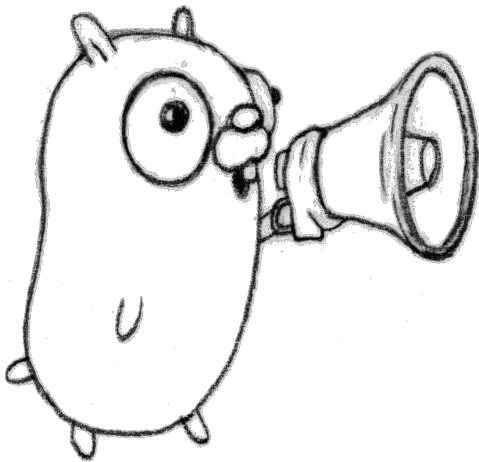
Unsolved:

- There are no authentication mails
  - Parsing certificates with negative serial numbers

- Implementing the backend as independent micro services
  - Time managment

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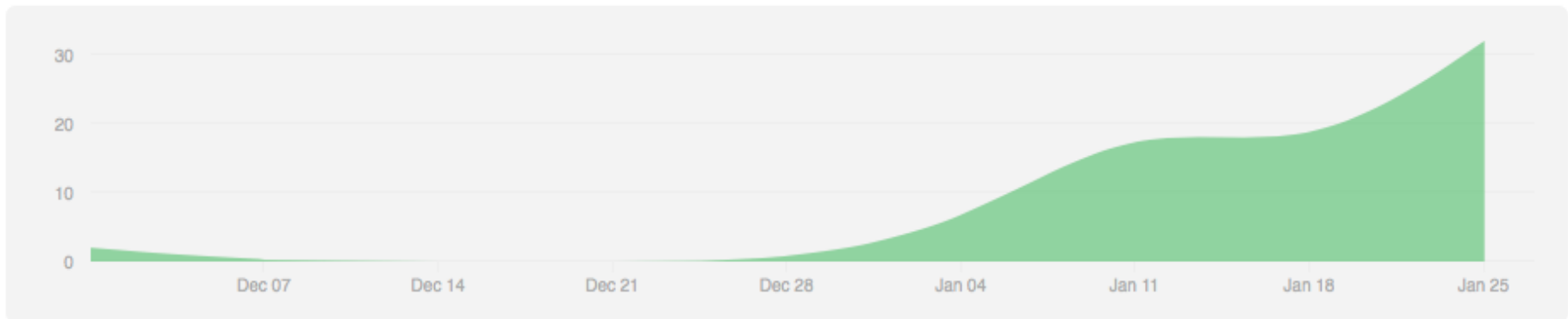
Time management

Fun Facts:

- Lines of Code: 7181

- Most commits: Tuesdays 12 am – 2 am

Nov 30, 2014 – Jan 27, 2015

Contributions to master, excluding merge commits
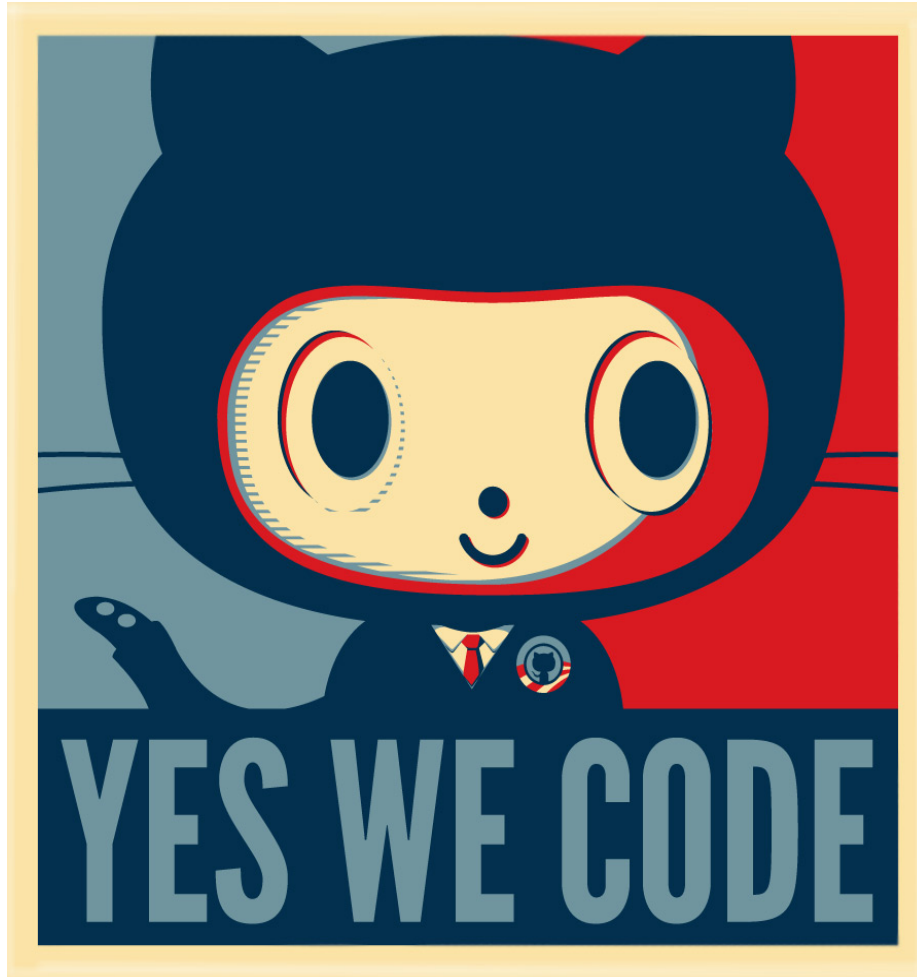
Contributions: **Commits** ▾

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Demo Time

Photo "github-octocat yes-we-code". / CC BY NC SA

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