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Web Programming

Day 8 AM

"Simplicity is prerequisite for reliability."

Edsger Wybe Dijkstra

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Storybook (initial)

Drehbuch, Intro, Functions
Scientific foundations
Algebraic Data Types, Snake
Applied Science

Scripting, PWA, Plotter, Excel
Objects
Classes
JS Types, JsDoc

Async Programming
Modules
Data Flow, Excel improved
Iterator Protocol, Sequences

Programming Moves
User Interfaces
Professional JS with Kolibri
Crazy JS

Agenda

General Musings

Quiz

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Professional Hello World

https://medium.com/on-coding/db854689243

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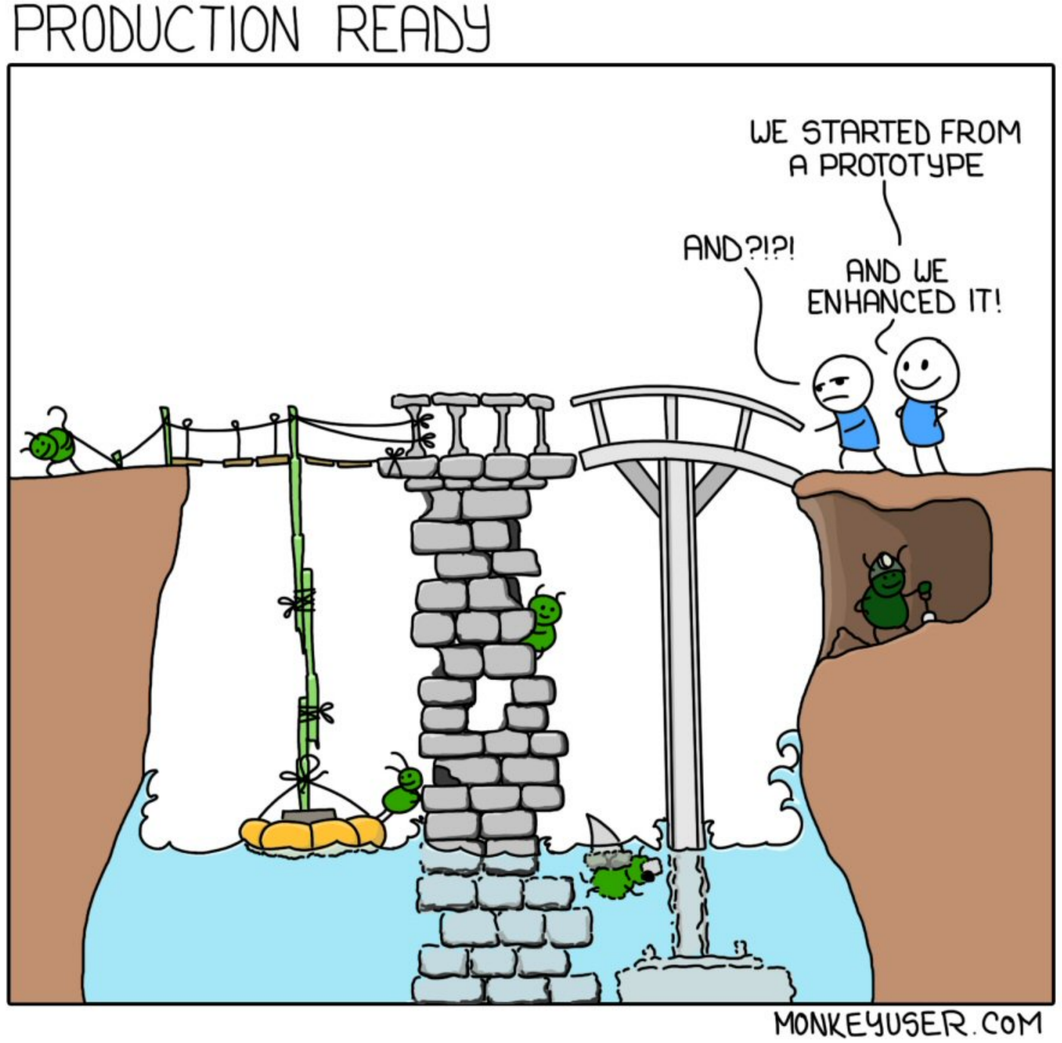
Stay on top of things



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Dependencies

From "sugar high" hero to maintenance nightmare

Livecyle management

They all did surrender

to one thousand dependencies !

No Dependency !

No Surrender !

This is Sparta !

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Test Automation

All Tests Report

4	tests in	examples/simpleForm/simpleFormView	ok
46	tests in	examples/workday/dayController	ok
4	tests in	examples/workweek/weekController	ok
7	tests in	examples/workweek/simpleWeekProjector	ok
26	tests in	examples/person/person	ok
3	tests in	examples/sequence/generators/angleSequence	ok
3	tests in	examples/sequence/generators/fibonacciSequence	ok
3	tests in	examples/sequence/generators/primeNumberSequence	ok
3	tests in	examples/sequence/generators/squareNumberSequence	ok
27	tests in	examples/sequence/tictactoe	ok
11	tests in	example/FocusRing	ok
2	tests in	version	ok
107	tests in	lambda/church	ok
42	tests in	lambda/church numbers	ok
8	tests in	lambda/ski	ok
16	tests in	lambda/Maybe	ok
7	tests in	lambda/Pair	ok

1945 test(s) expected.

1945 tests done.

Built with Kolibri 0.9.11 at 2025-03-24 T 20:47:15 MEZ

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User Testing

Developer Experience

User Experience

Accessibility

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Community of Practice

JUGs, Hackergarten, CS-Night, CS-Seminar, Conferences, IMVS Tech Talks, Alumni, ...

External Experts,
Github issues & pull requests

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Strong Type Support

Analyze -> Inspect

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Documentation

The API - of course

Your rules and your philosophy

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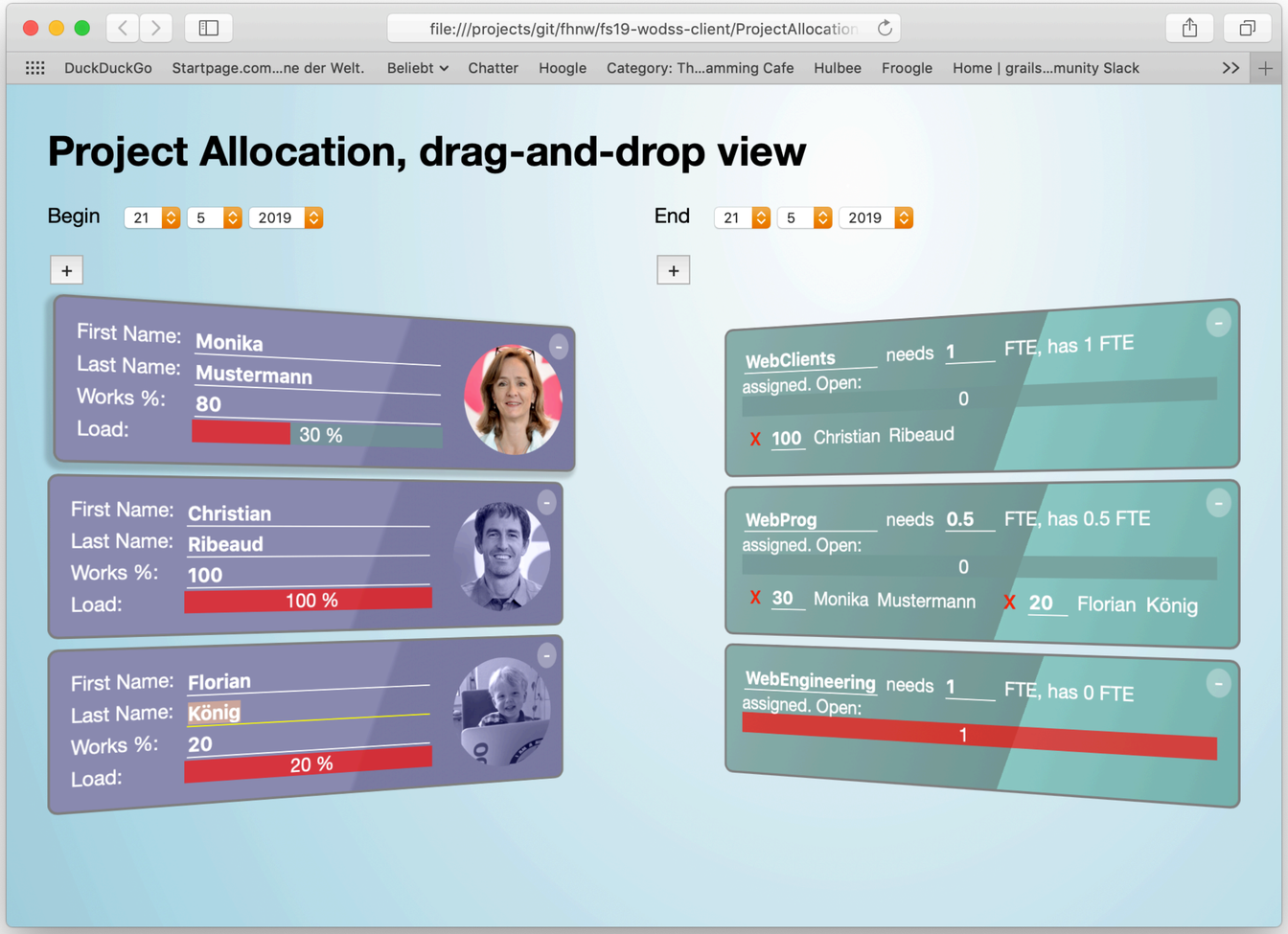
Demos, Examples



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Logging, Monitoring

Log levels, Log context

Format, Appender

Logger vs Logging

adaptable at runtime

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Plumbing vs Porcelain

Engineered version first
Easy-access version later

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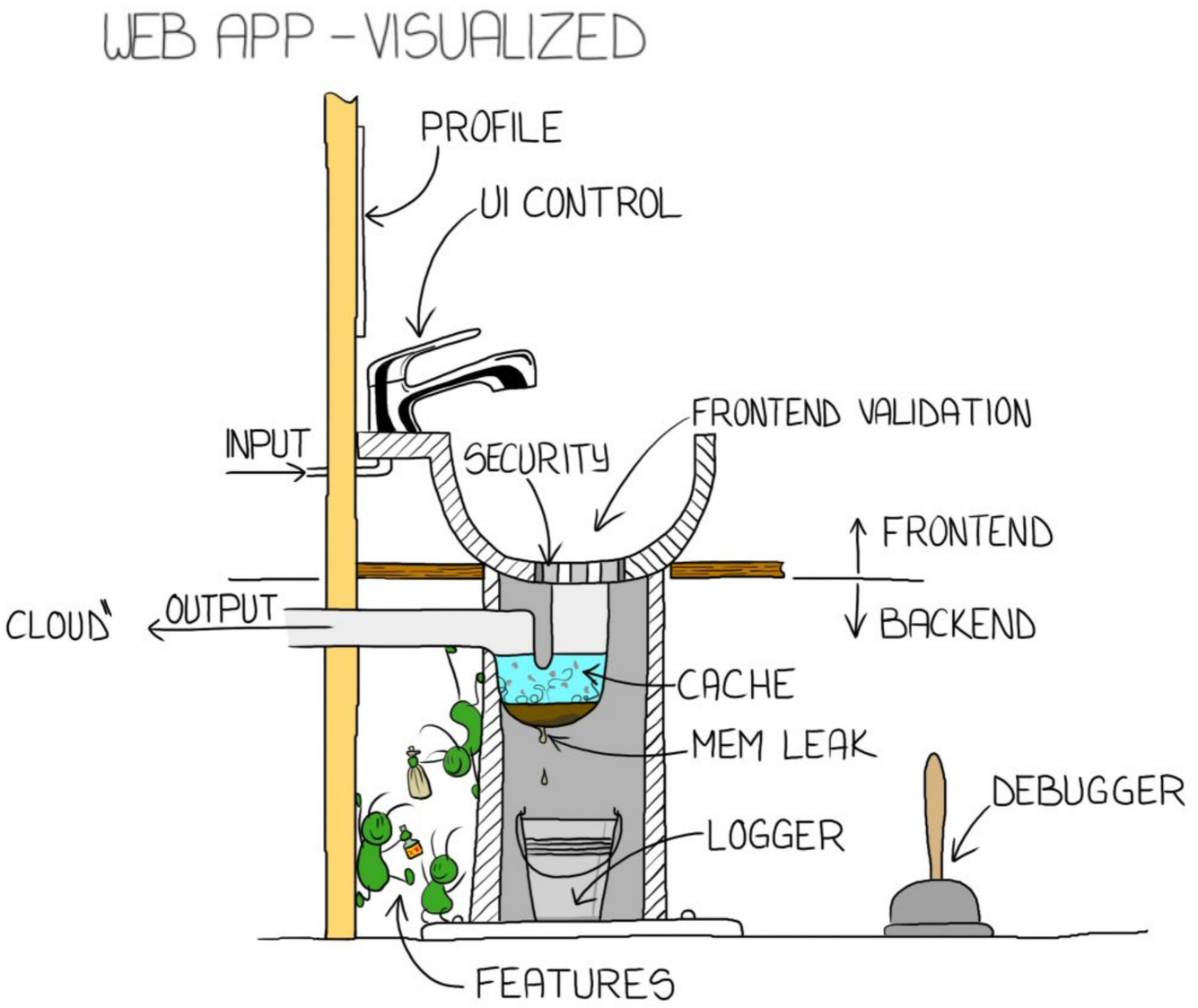
WEB APP - VISUALIZED
PROFILE
UI CONTROL
FRONTEND VALIDATION
INPUT
SECURITY
FRONTEND
BACKEND
CLOUD
OUTPUT
CACHE
MEM LEAK
DEBUGGER
LOGGER
FEATURES
MONKEYUSER.COM

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Stay Humble

"Stumpf ist Trumpf."
Tammo Freese

"The competent programmer is fully aware of the limited size of his skull and avoids clever tricks like the plague."

Edsger Wybe Dijkstra