SwiftAlyzer

Supporting your #SwiftLang Architecture Reviews

CHRISTOPHER GRETZKI

- started GWBasic (DOS) as a child
- studied computer science @RWTH
- developed iOS first with iPhoneOS 2.0 as „HiWi“
- crafting own apps @9elements agency
- today: certified software architect @adesso mobile

FROM SHORT LIVING PROJECTS OF SOME MONTHS TO LONG TIME PROJECTS OF SEVERAL YEARS

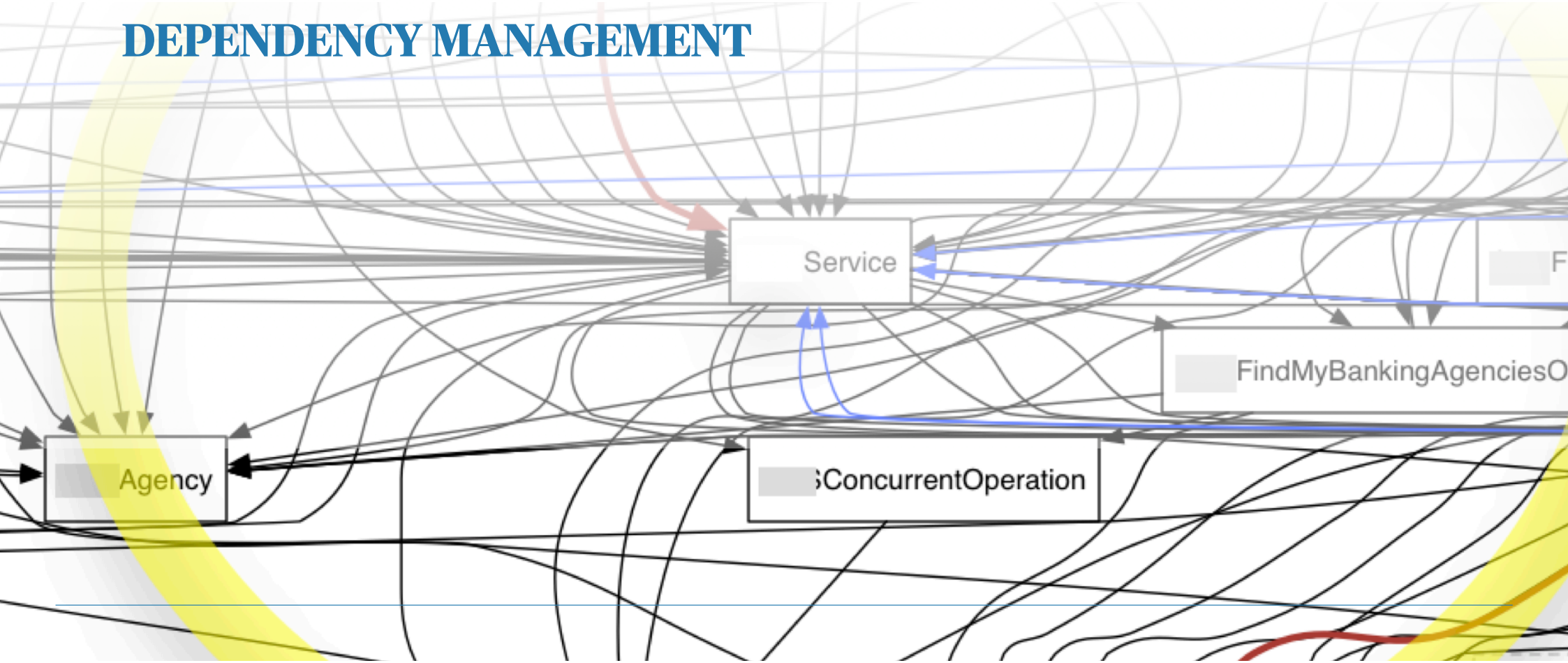
FROM OWNING PRODUCTS AND DECIDING ON KPIS TO REQUIREMENT ENGINEERING FOR FOREIGN STAKEHOLDERS

CHALLENGES

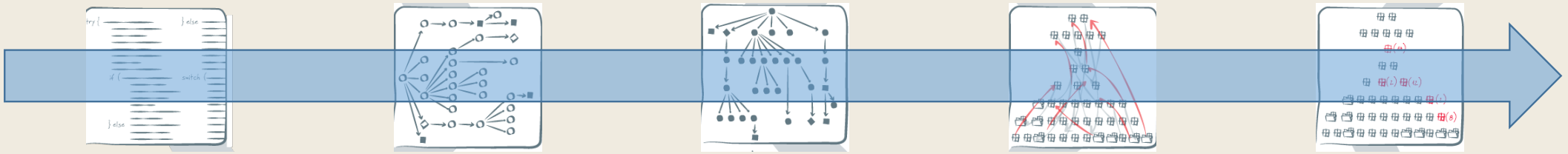
1. Diverse coding styles
2. Diverse skill levels
3. Diverse understanding of the features
4. Error-prone code
5. Diverse semantics
6. Different names for same things
7. Code hard to extend or maintain
8. Code hard to understand
9. 90/10 Rule of thumb
10. Fulfilness of customer’s requirements

CHALLENGE

DEPENDENCY MANAGEMENT

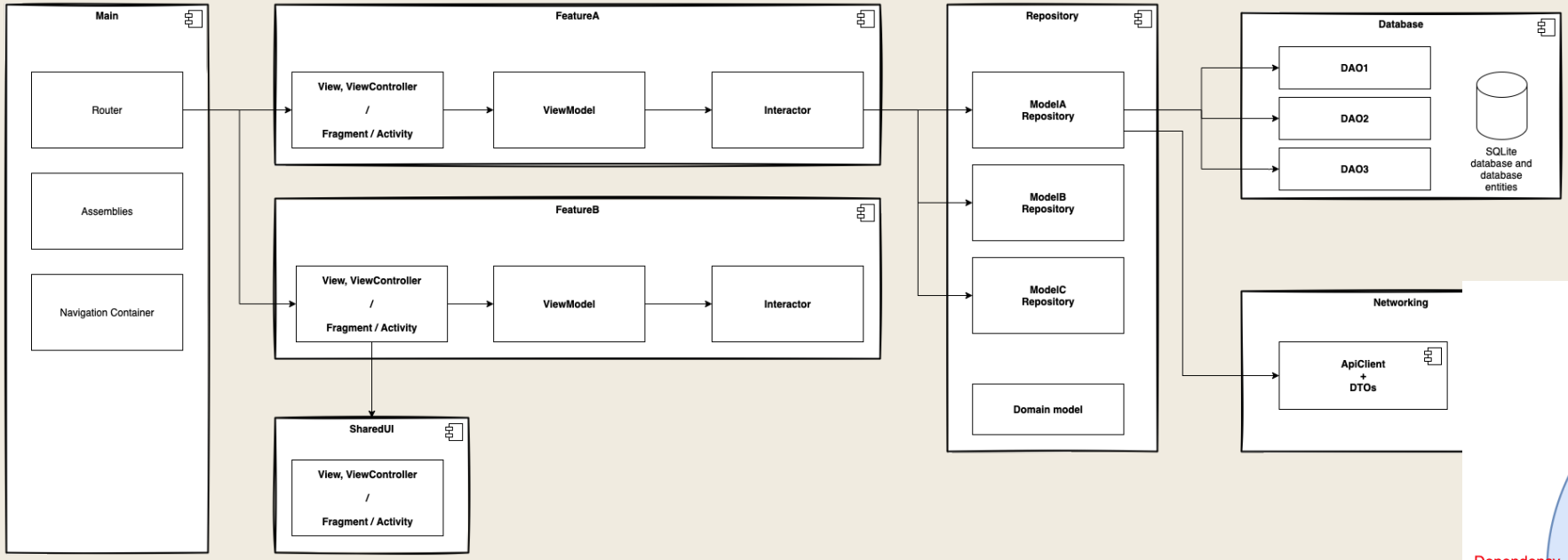


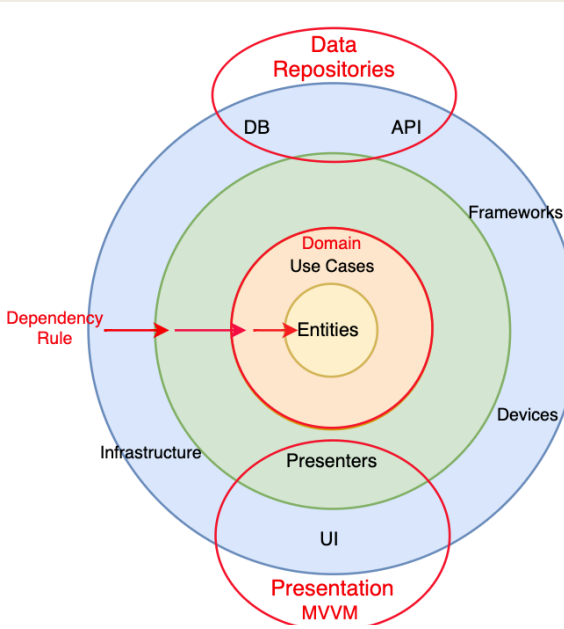
ARCHITECT'S PLAN vs HACKING

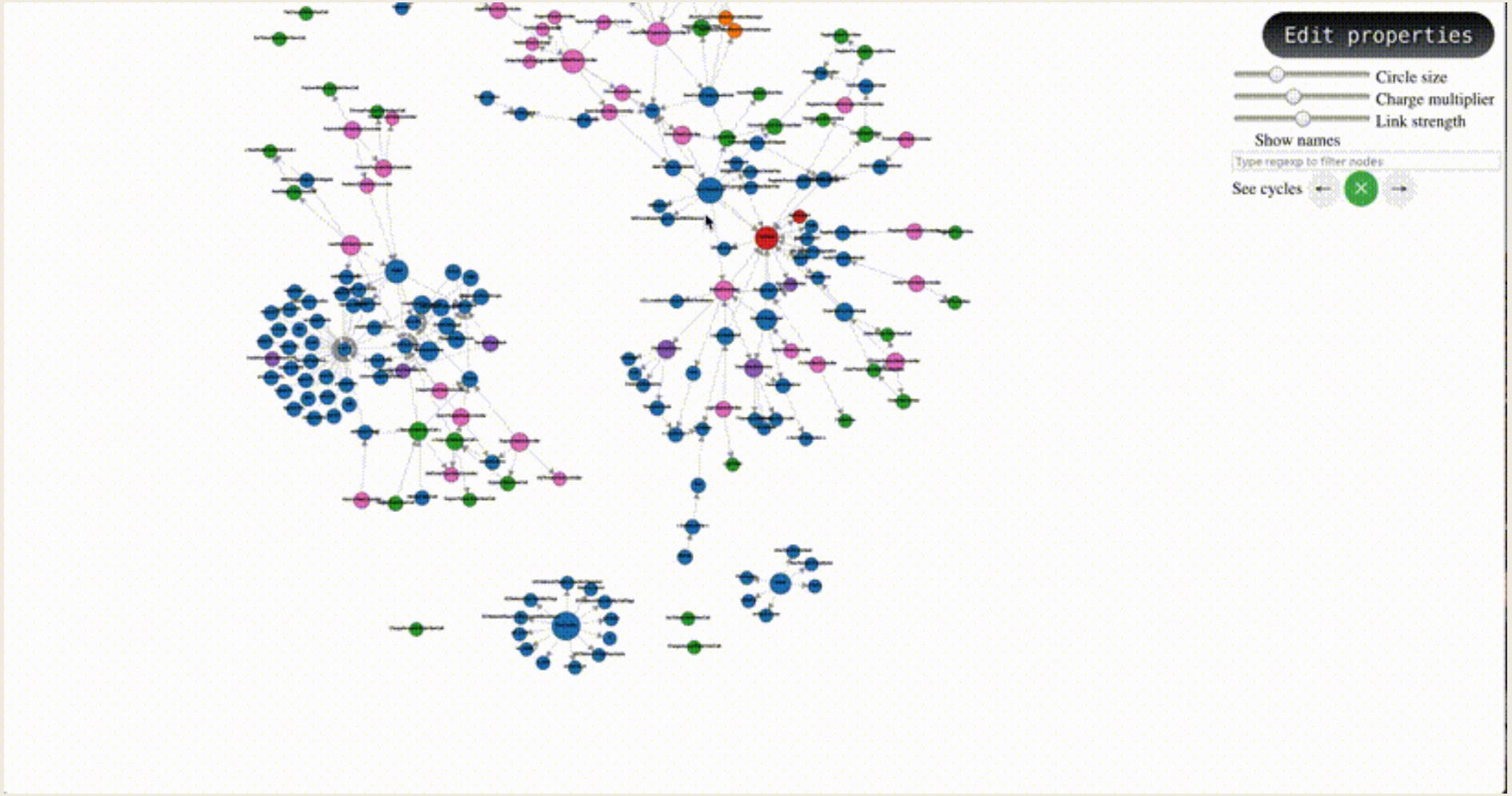


Code Functions Classes Packages Modules

BUILDING BLOCKS







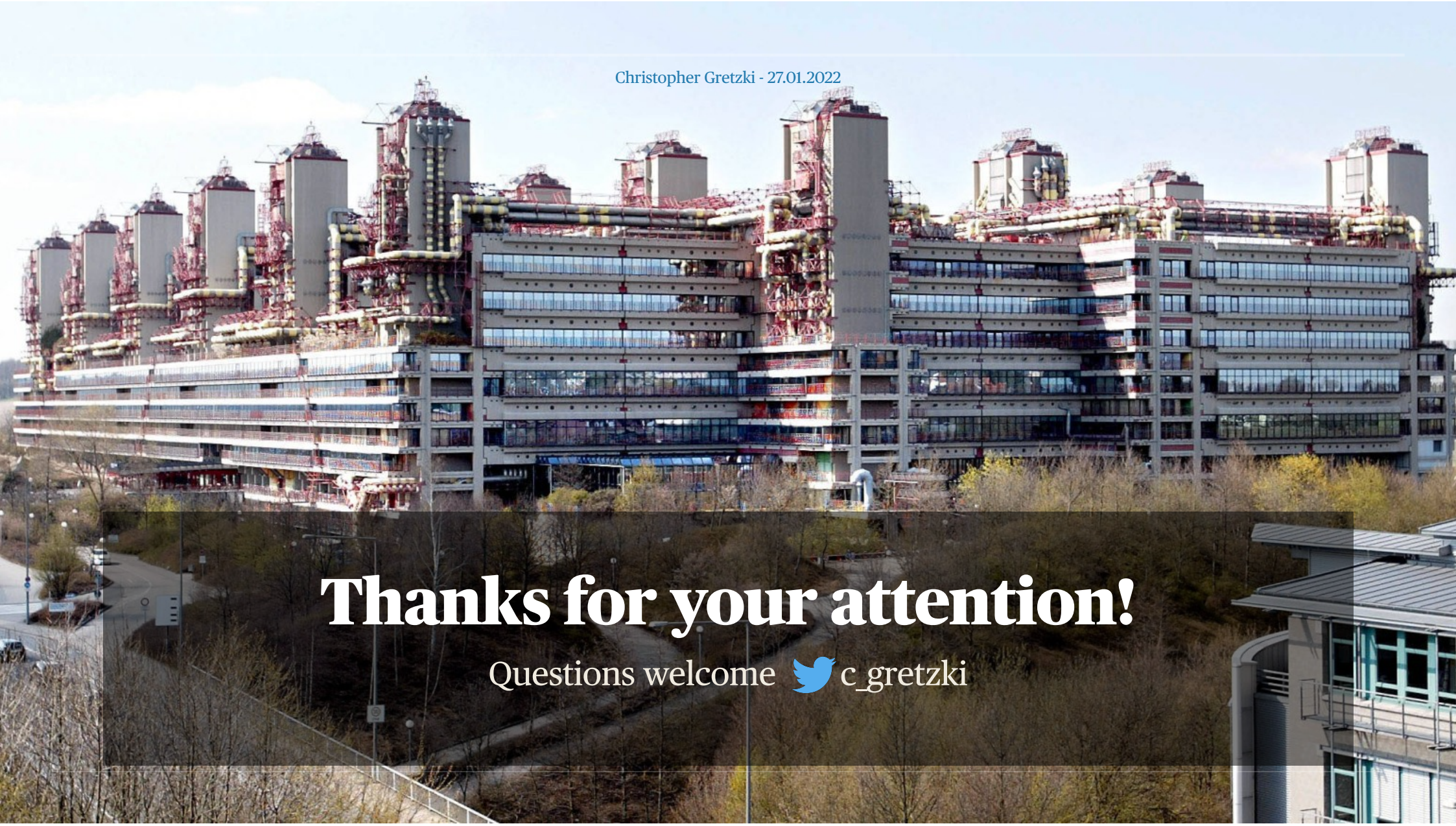
DEMO FROM HTTPS://GITHUB.COM/PRZEMYSLAWCHOLEWADEV/SWIFT-DEPENDENCY-VISUALIZER

DEMO FROM HTTPS://SWIFTALYZER.COM

DEMO TIME

Usecases for SwiftAlyzer

- Analysing ongoing development - reality check of planned architecture
- Onboarding new developers - always more up to date than any documentation
- Evaluating new projects



Thanks for your attention!

Questions welcome c_gretzki