DHBW Community Dashboard

Midterm Presentation

2022-12-15, Clueless Capybaras (Vanessa Limberger, Leonid Ehrler, Tom Legel, Florian Pilz)

Agenda

The Project

Architecture

Technologies

Design Patterns

Live Demo

Statistics

Project Management

The Project

The Problem

The Project

- No DHBW(-Karlsruhe) Apps for all Platforms (iOS)
- Many sources for trivial information
- Cumbersome navigation of canteen websites
- Additional application necessary for RAPLA
- No way of creating appointments for course outside of RAPLA

The Problem

The Vision

- DHBW(-Karlsruhe) dashboard for all platforms and devices
- Single source of truth for everything DHBW
- Easy, unified canteen menus
- RAPLA integration and customization
- A way of creating appointments for course outside of RAPLA

Architecture

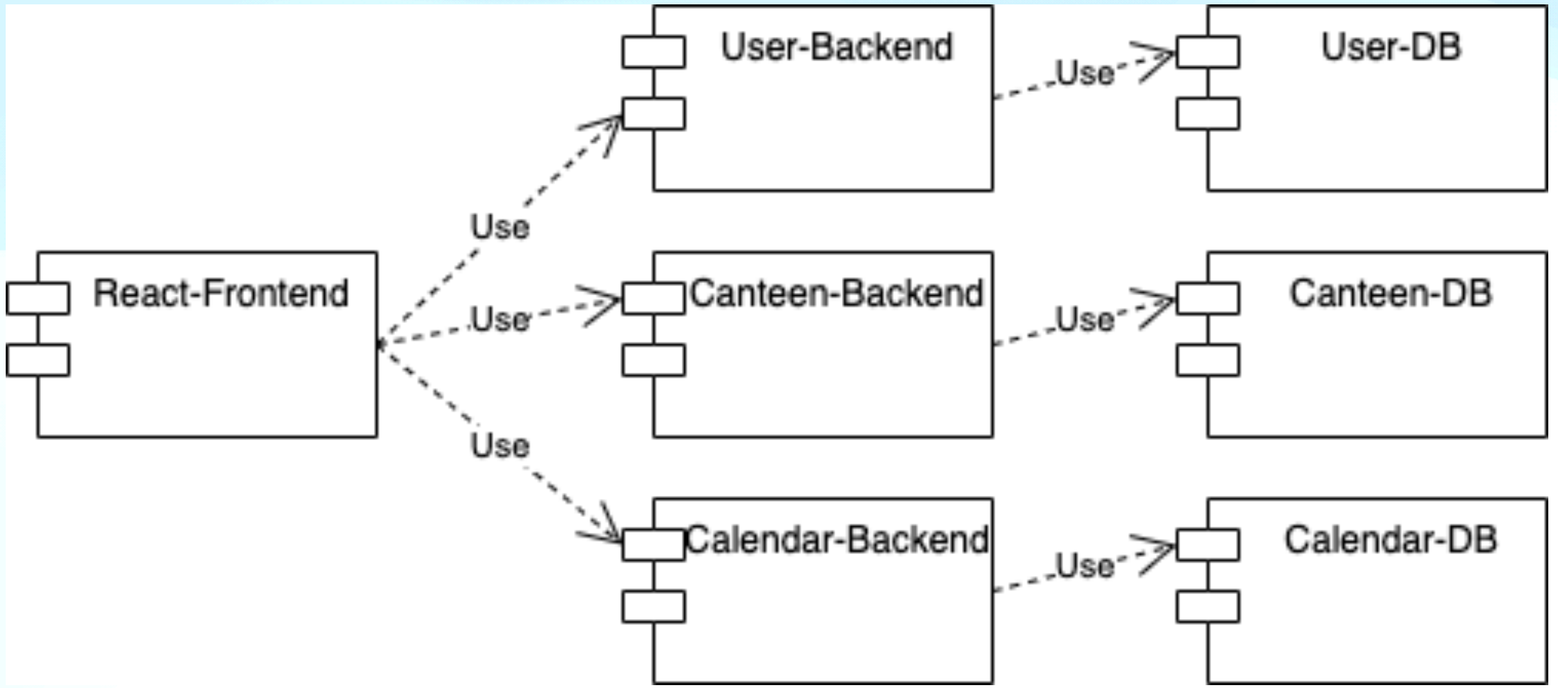
Architecture Decisions

Architecture

- Availability
- Minimal Downtime -> SPA + microservices
- Usable with bad connection -> SPA + minimal data concept
- Application should survive a crash -> domain isolation to microservices

Component Diagram

Architecture

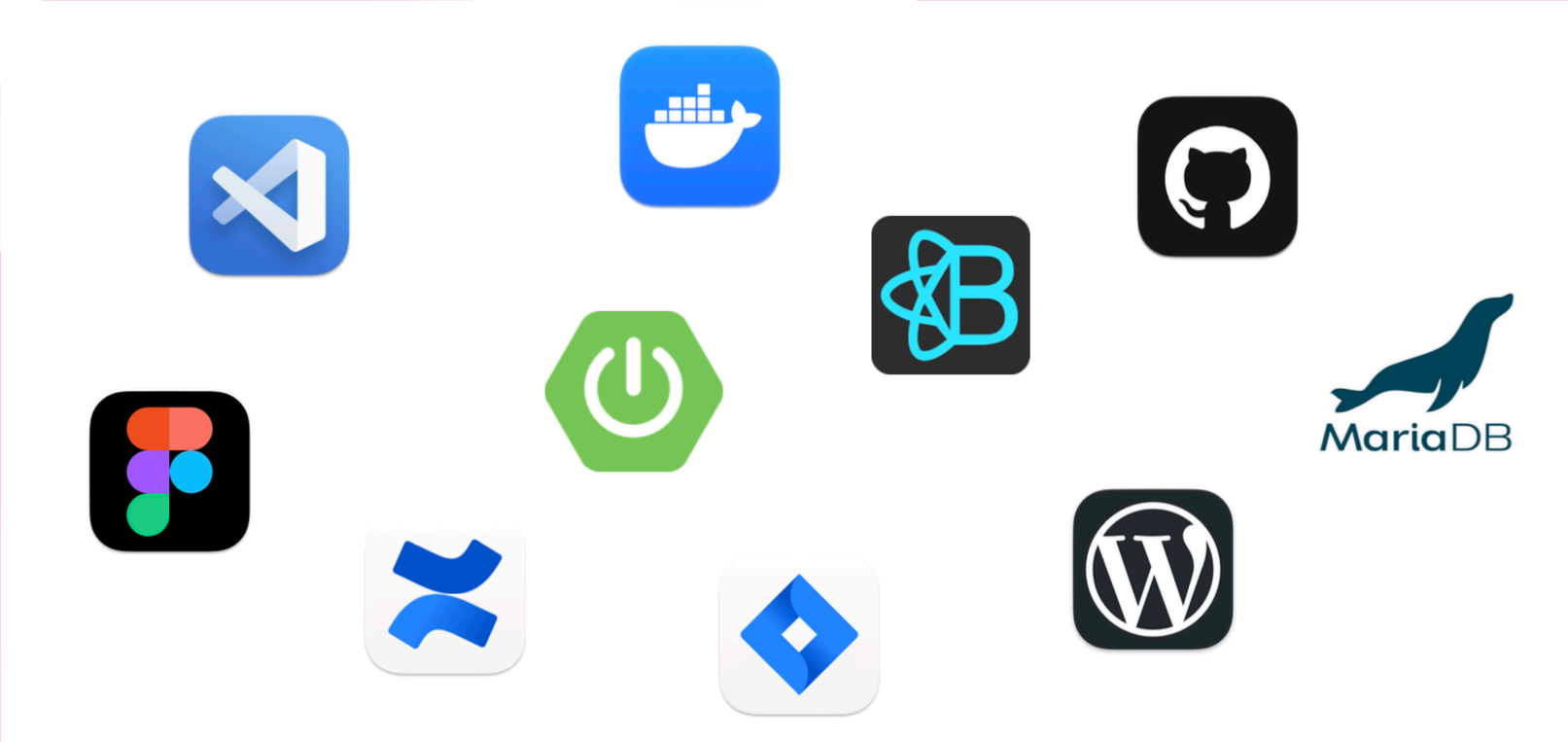


General Component Diagram

Technologies

Tech-Stack

Technologies



Tech-Stack cloud

Design Patterns

Design Patterns

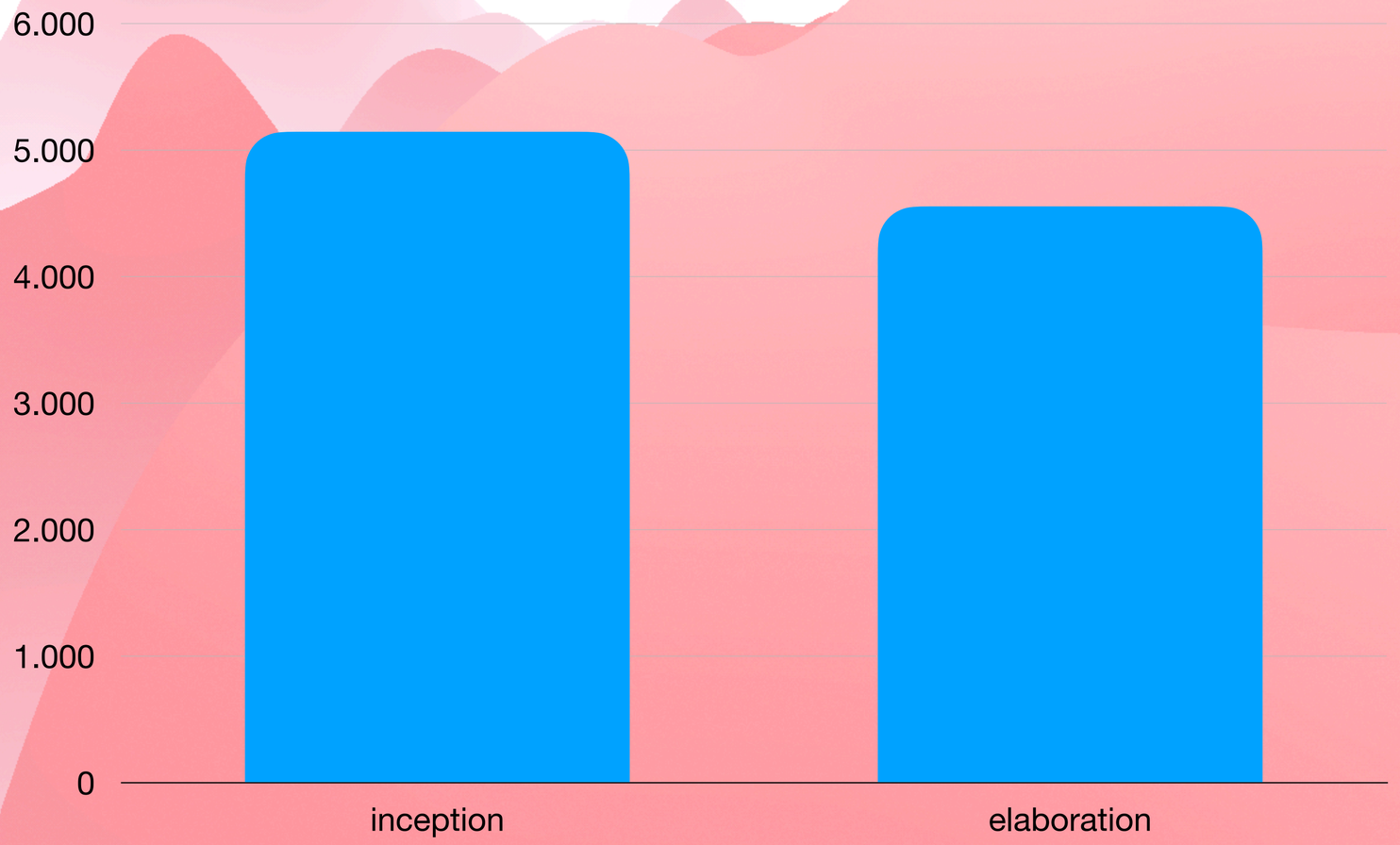
- MVC in Spring-boot (entity, controller, service, repository)
- Atomic Design in React
- Dependency Injection

Live Demo

Jira Statistics

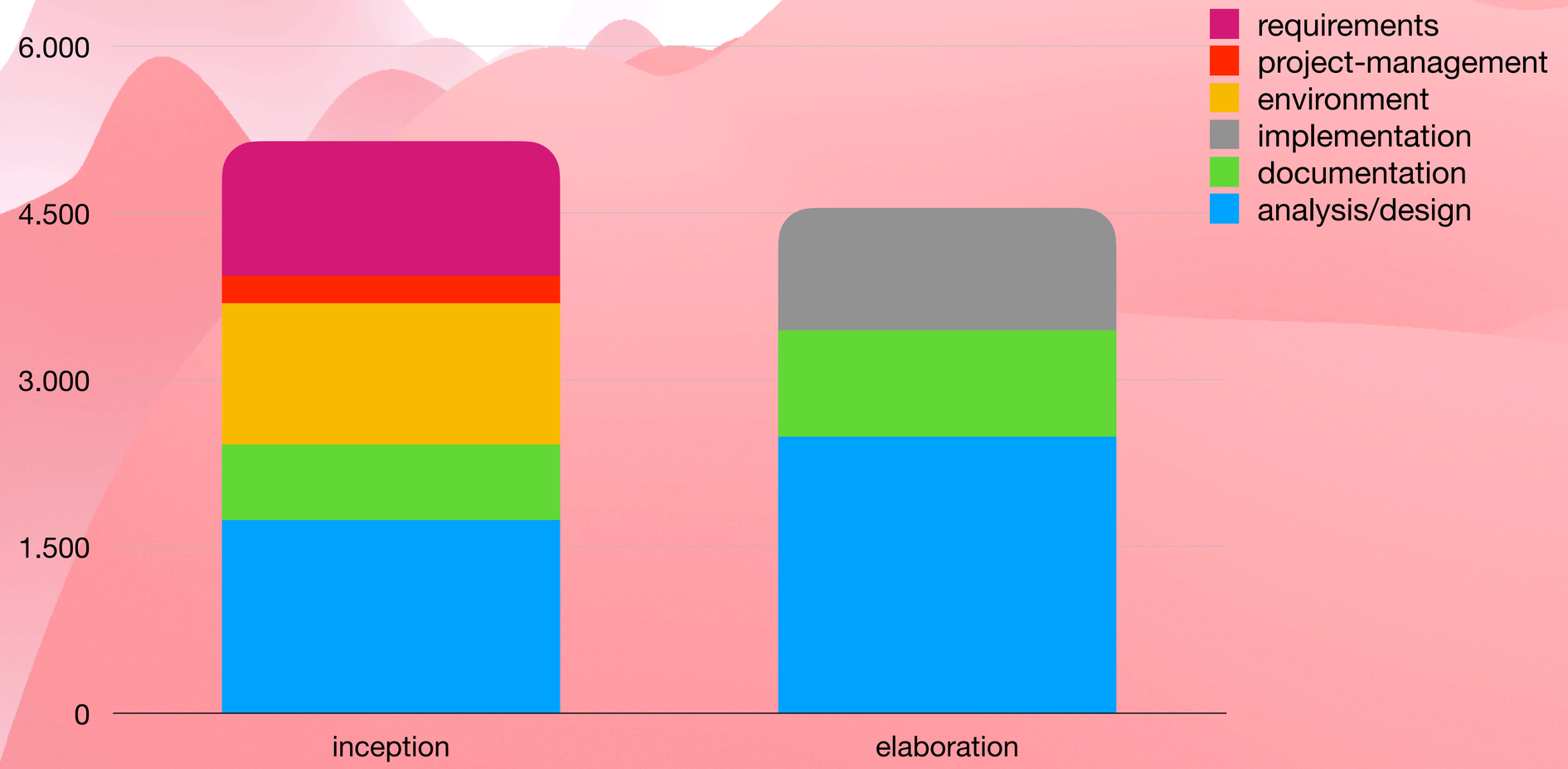
Time By Phase

Jira Statistics



Time By Phase And Workflow

Jira Statistics

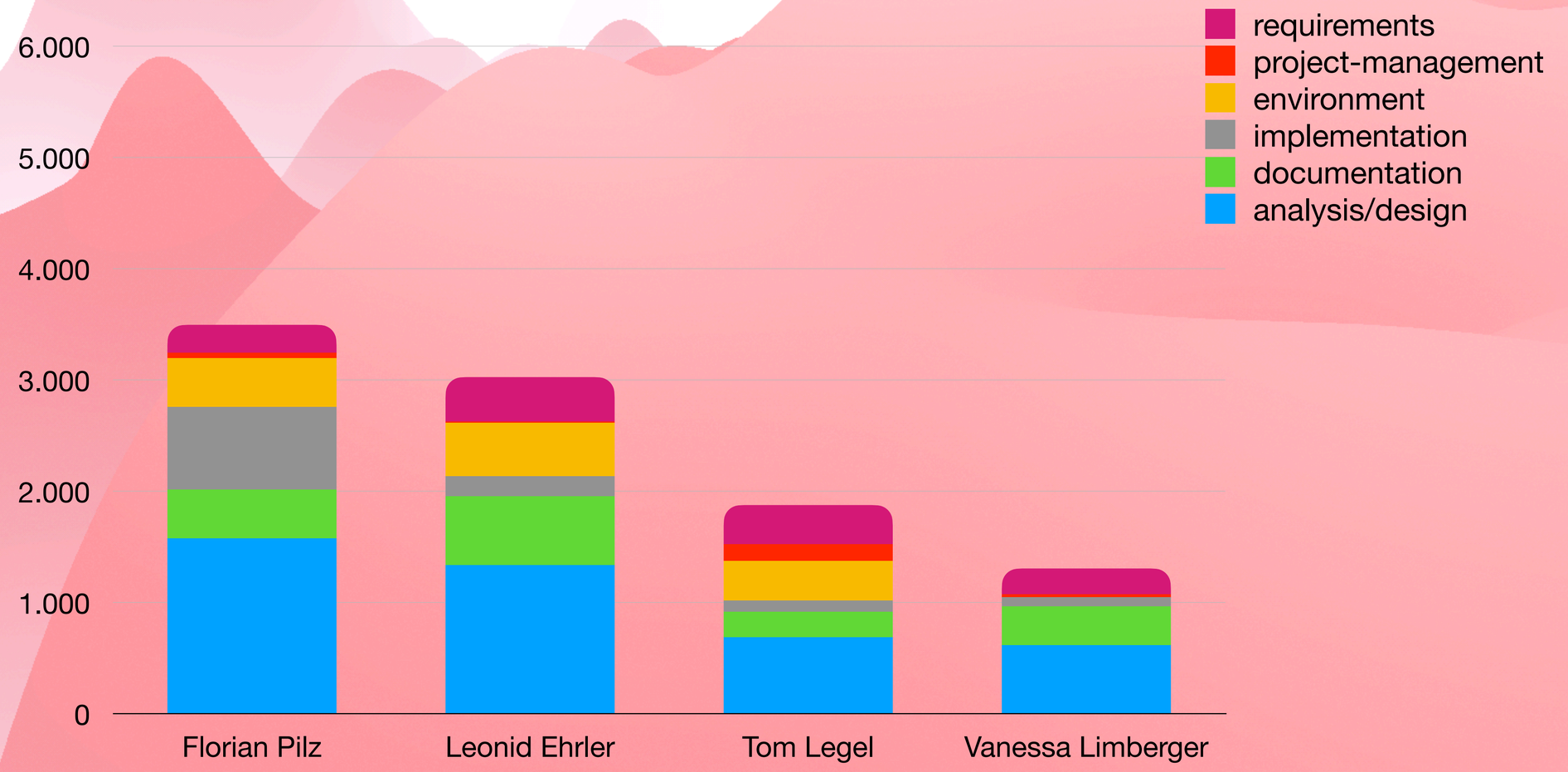


Time By Person

Jira Statistics

Time By Person And Workflow

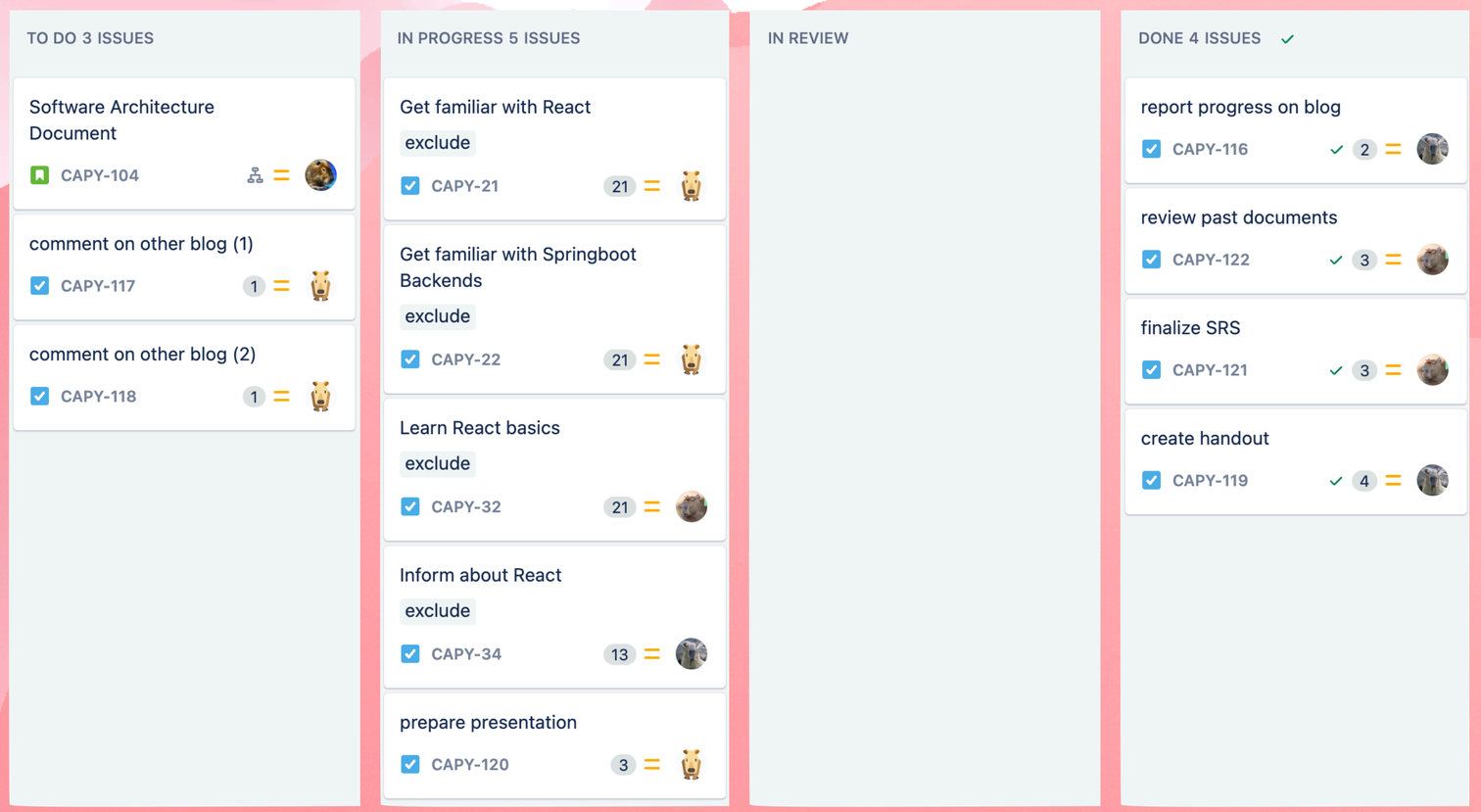
Jira Statistics



Project Management

Jira Board

Project Management

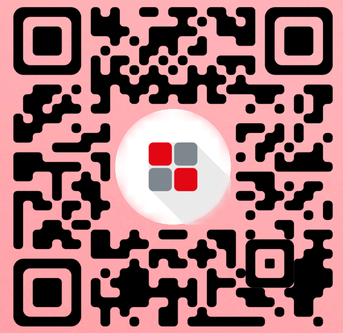


Jira Board (CAPY Sprint 10, 2022-12-11)

Retrospectives / Lessons Learned

Project Management

- #2: Environmental hiccups (Jira Notifications, Wordpress Workflow)
- #3: Consistent layout for Jira tasks, create deadlines when tasks are dependent on each other
- #4: Stop procrastination, don’t review blogs of B6
- #7: Make sure updates on Jira tickets are seen by team

Thank you for your attention!

Any questions?