



# **DHBW Community Dashboard**

**Midterm Presentation**

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# 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

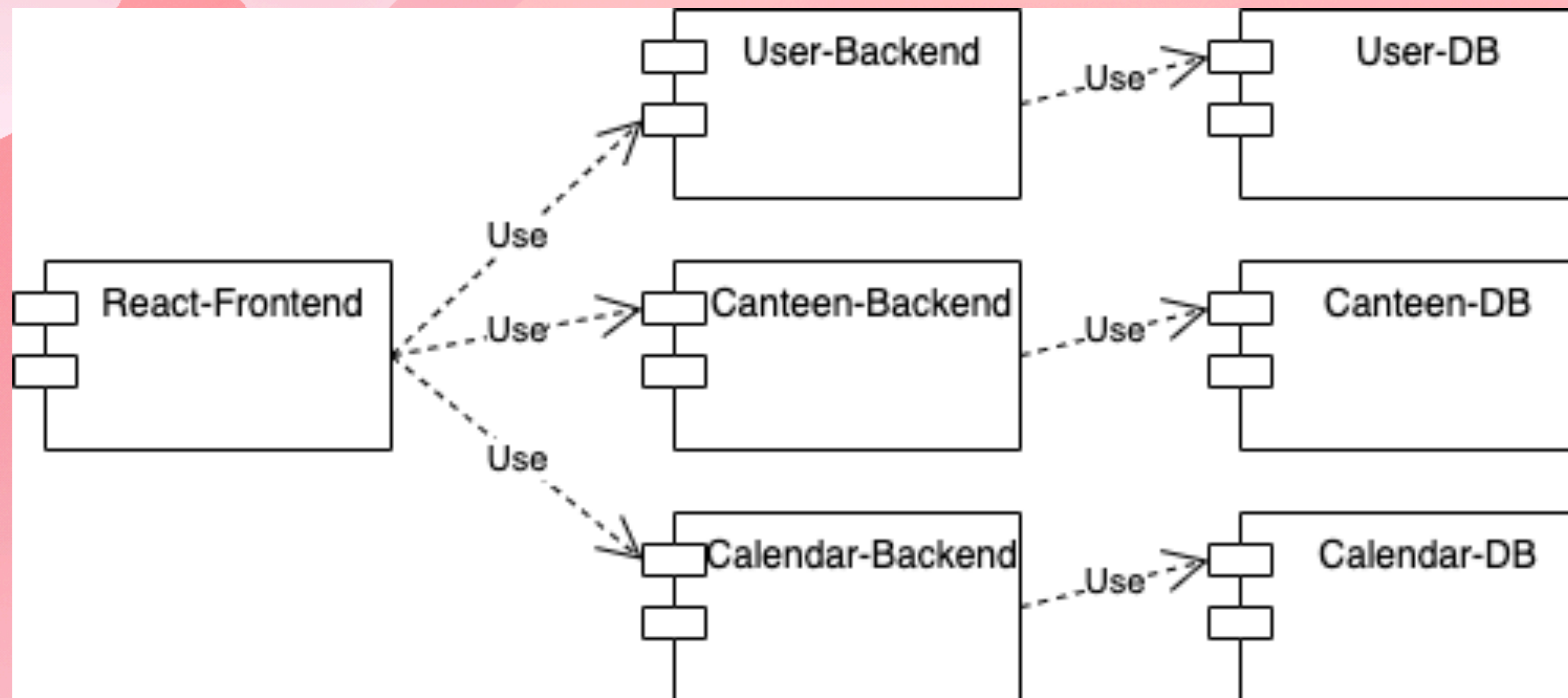


- Availability
- Minimal Downtime -> SPA + microservices
- Usable with bad connection -> SPA + minimal data concept
- Application should survive a crash -> domain isolation to microservices



# Component Diagram

## Architecture



General Component Diagram



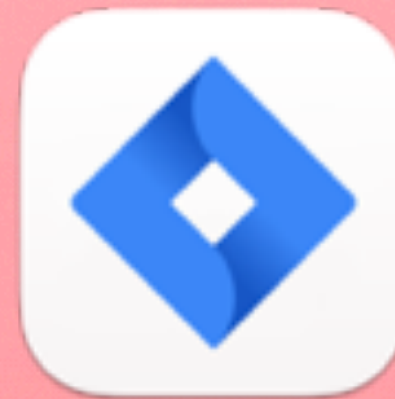


# Technologies



# Tech-Stack

## Technologies



Tech-Stack Cloud





# Design Patterns

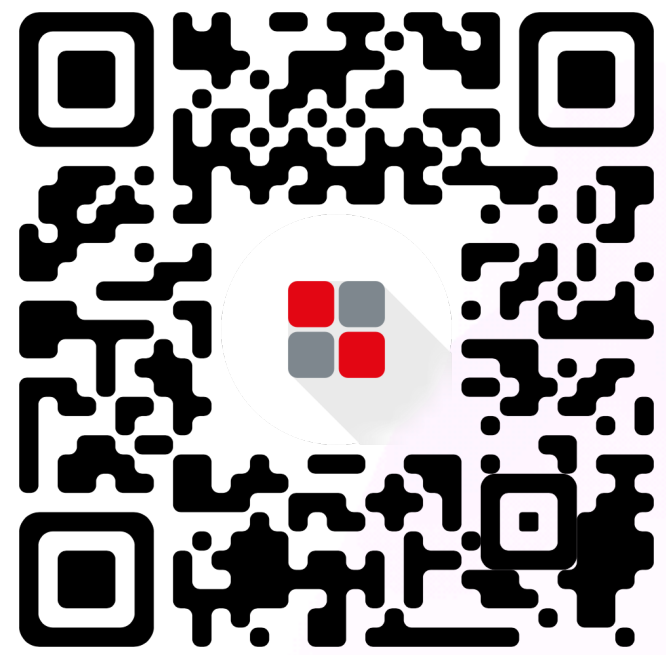


# Design Patterns



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





# Live Demo



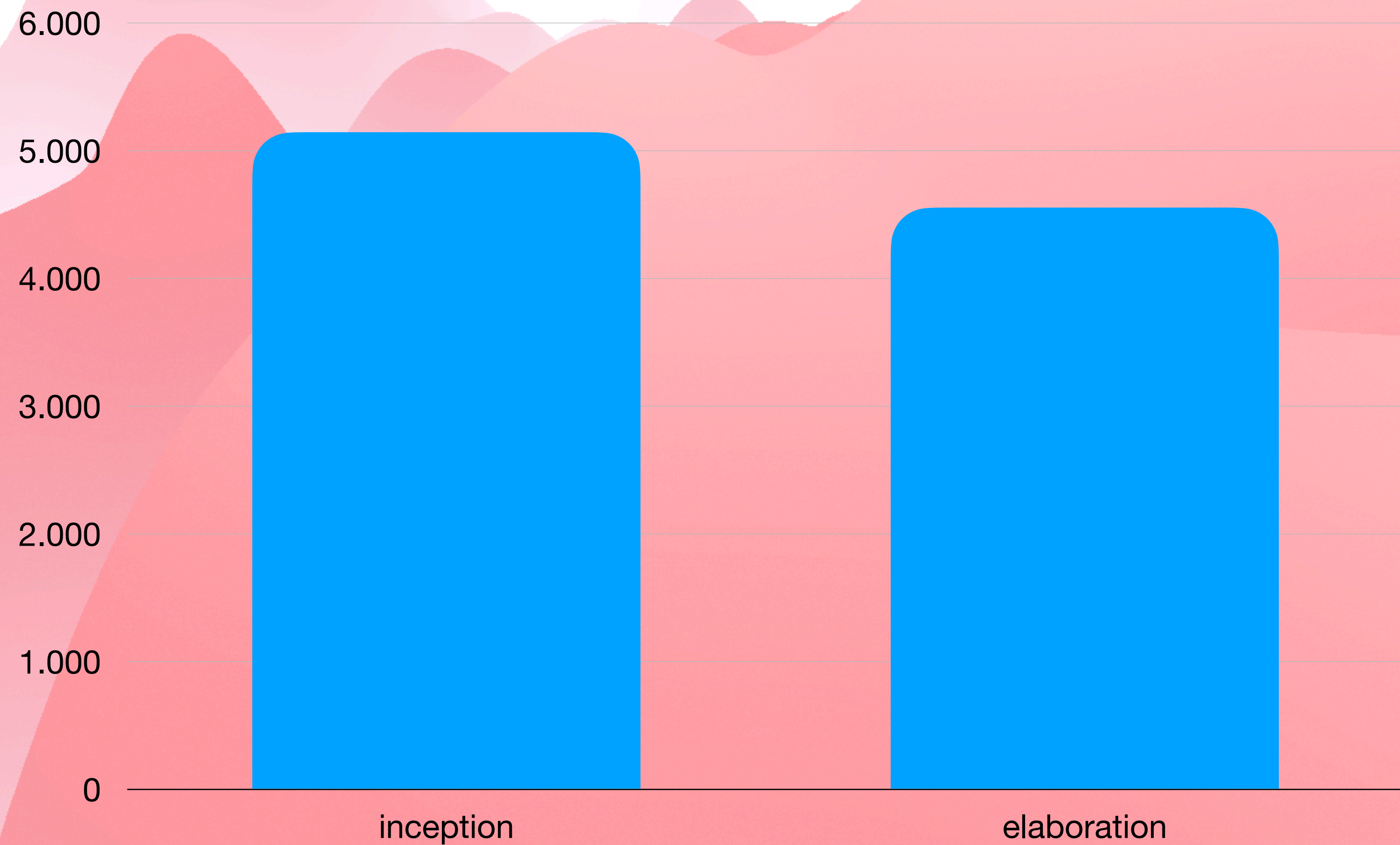


# Jira Statistics



# Time By Phase

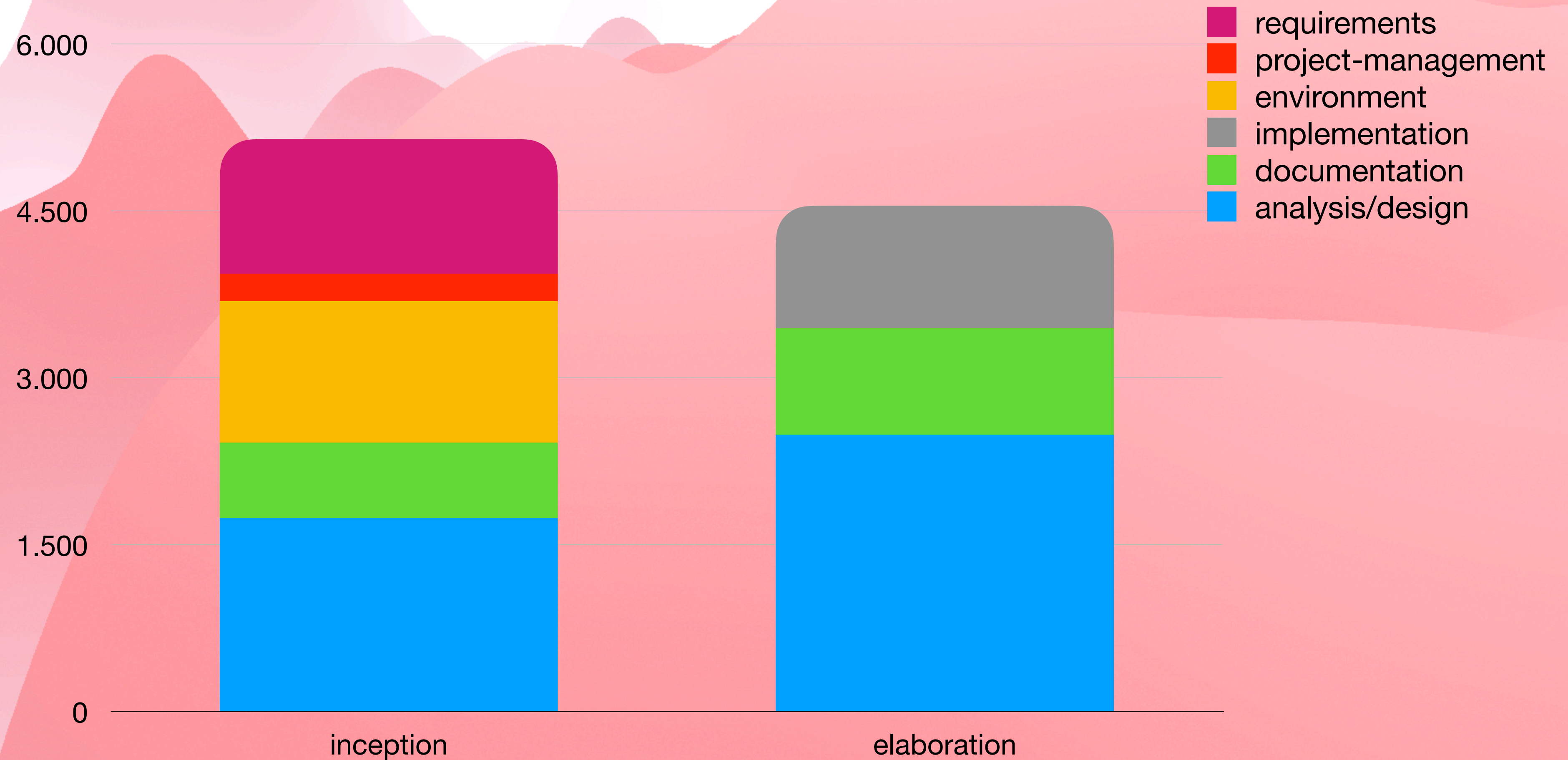
## Jira Statistics





# Time By Phase And Workflow

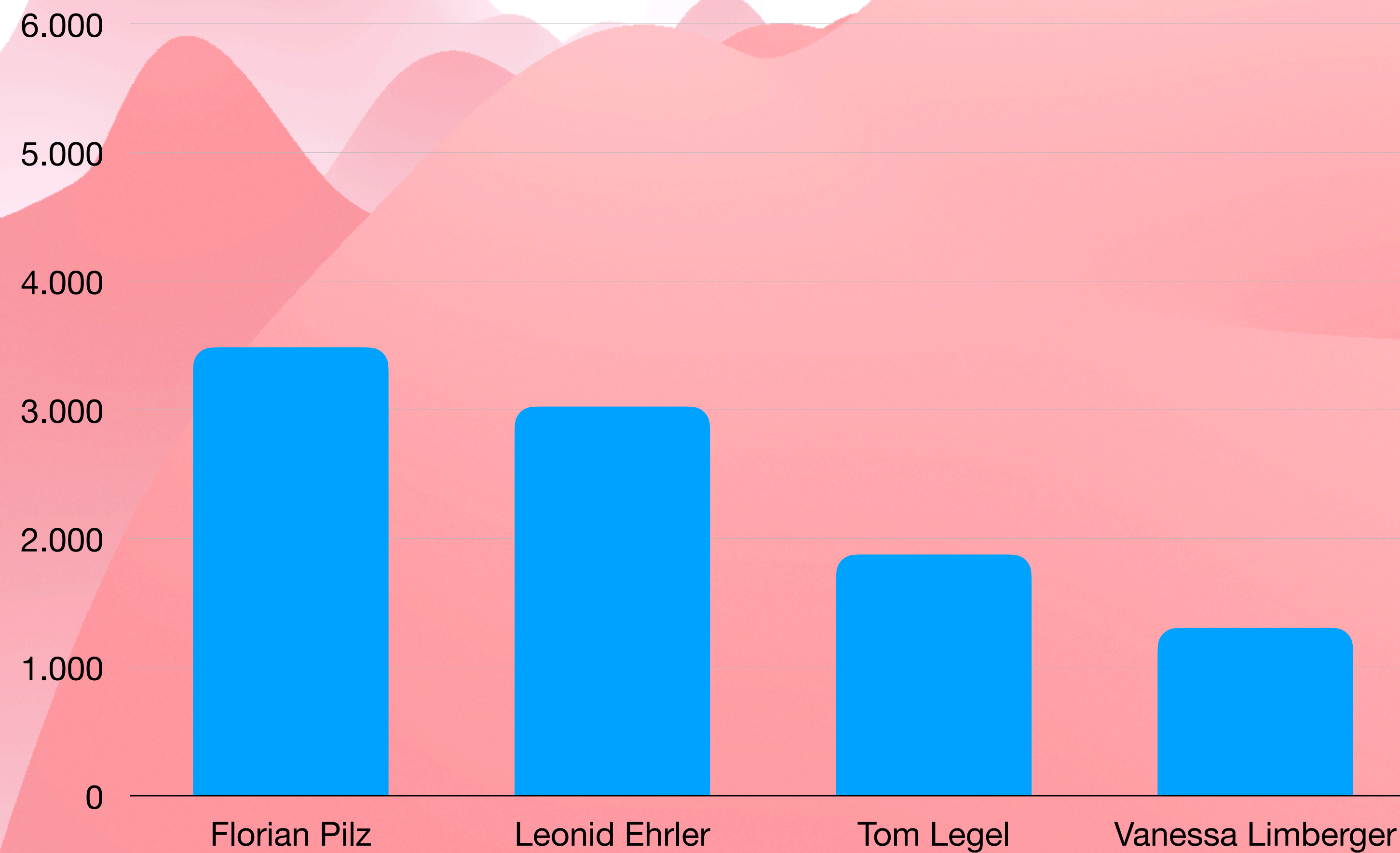
## Jira Statistics





# Time By Person

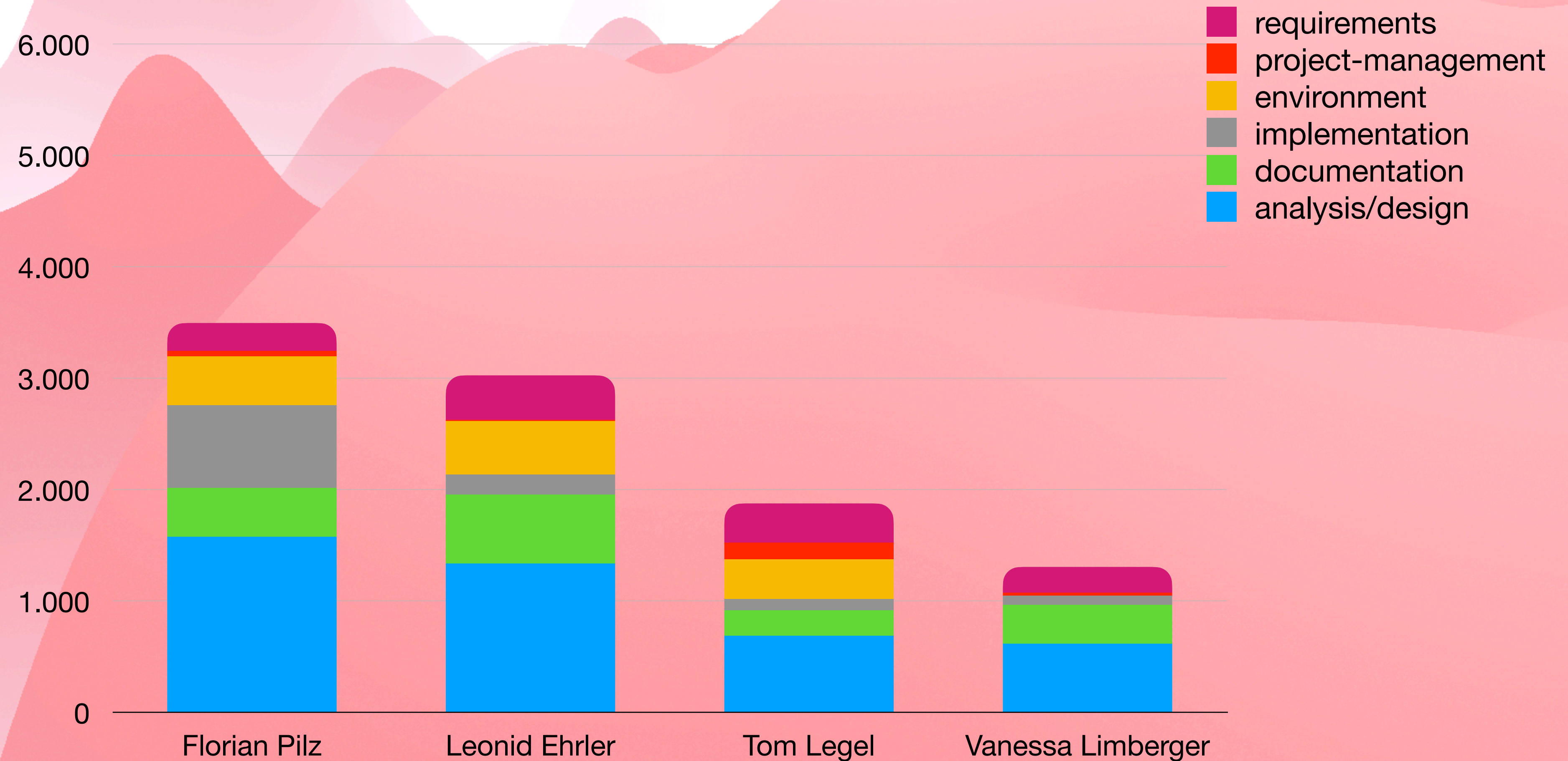
## Jira Statistics





# Time By Person And Workflow

## Jira Statistics







# Project Management



# Jira Board

## Project Management



TO DO 3 ISSUES

Software Architecture Document

CAPY-104

comment on other blog (1)

CAPY-117

comment on other blog (2)

CAPY-118

IN PROGRESS 5 ISSUES

Get familiar with React

exclude

CAPY-21

Get familiar with Springboot Backends

exclude

CAPY-22

Learn React basics

exclude

CAPY-32

Inform about React

exclude

CAPY-34

prepare presentation

CAPY-120

IN REVIEW

DONE 4 ISSUES

report progress on blog

CAPY-116

review past documents

CAPY-122

finalize SRS

CAPY-121

create handout

CAPY-119

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?

