



Lagalt

LAGALT PROJECT

Noroff Collaborative Case

Fullstack Java Assignment

2023

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Jostein Gjertsen

Bastien Testaniere

Michal Pajestka

INTRODUCTION

PRESENTATION STRCUTURE

- ✓ Team
- ✓ *Lagalt Application*
- ✓ Backend Development
- ✓ Frontend Development
- ✓ Configuration Injections
- ✓ Process planning
- ✓ Work Environment
- ✓ Challenges
- ✓ Application Demo
- ✓ Conclusion



Project Team



Jostein Gjertsen



Hamza Iqbal



Michal Pajestka



Bastien Testaniere



Lagalt Application

"Lagalt is an online hub where creative people can find and join projects that match their interests and skills. Whether you're into music, film, game creation, or website building, you can explore opportunities anonymously or sign up to collaborate and start your own projects"

Why, Who og When?

Purpose



TEAM ROLES



Hamza

- Backend
- Database
- Endpoints

Jostein

- Frontend
- Project
- Session

Bastien

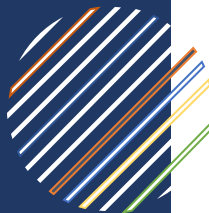
- Configuration
- Deployment
- Keycloak backend

Michal

- Frontend
- Profile
- Keycloak frontend



Architecting and Hosting



Azure cloud Services, API endpoints, load balancing, CI/CD pipelines, DevOps, azure portal



Endpoint Configuration in Azure



Connecting Front-end to Back-end



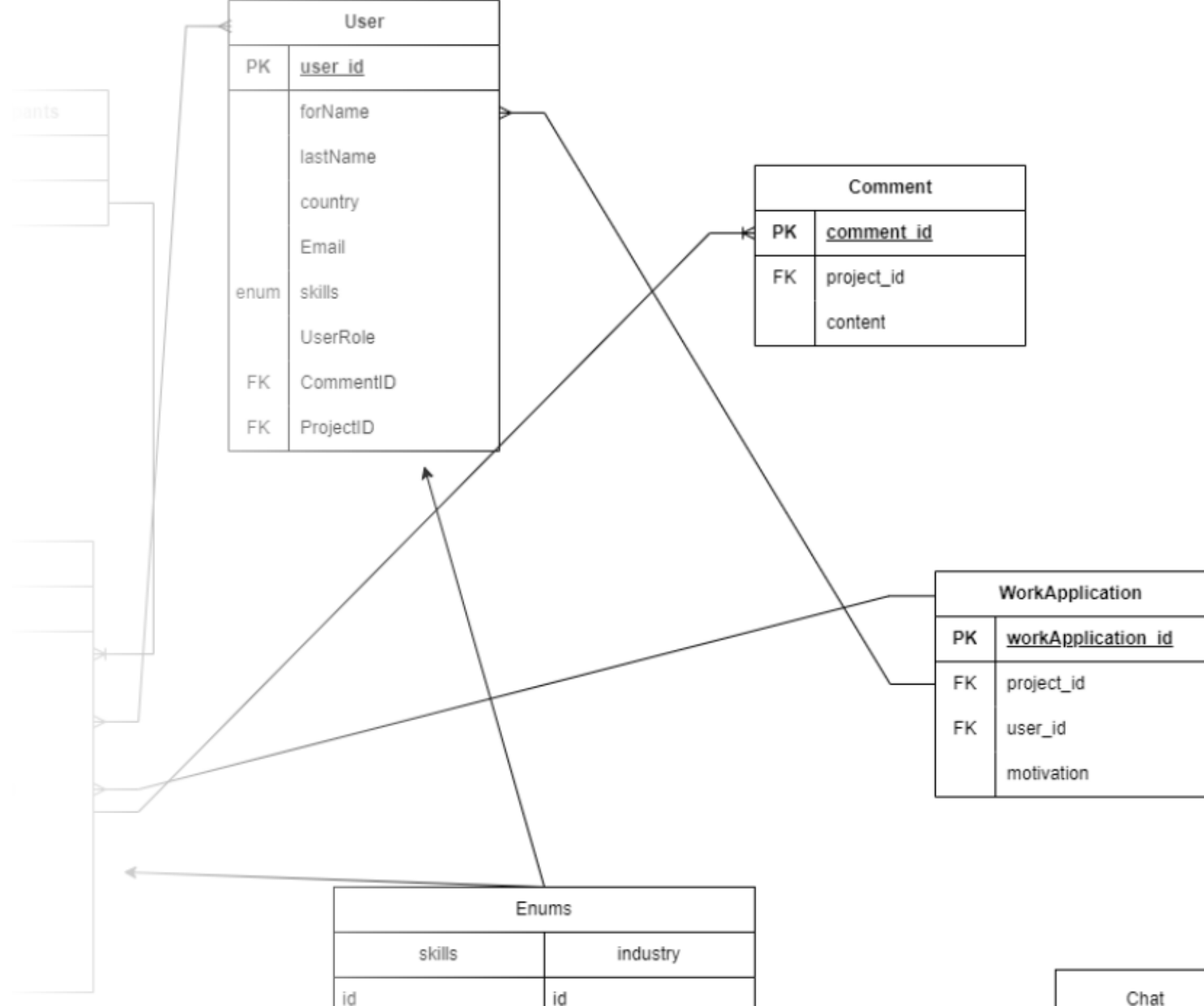
Automated Deployment using Azure DevOps

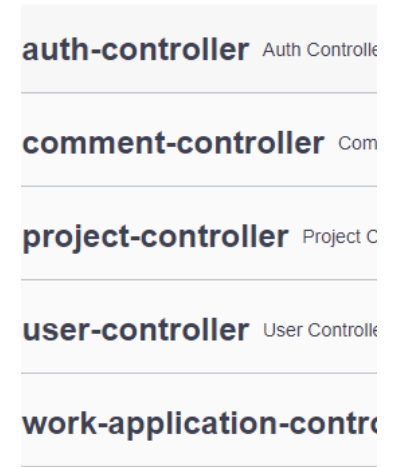
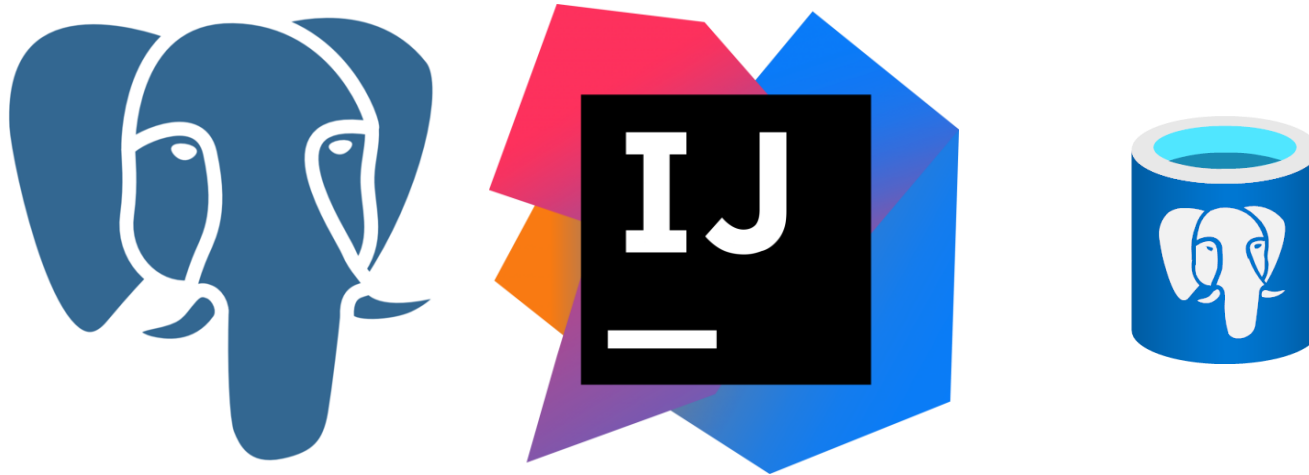
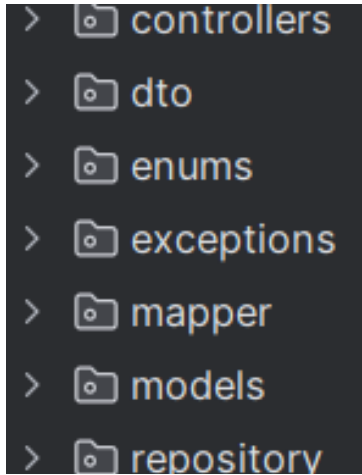


Resource Allocation and Scaling

Domain

- ☐ Users
- ☐ Projects
- ☐ Comments
- ☐ Work Application
- ☐ Skills
- ☐ Industries





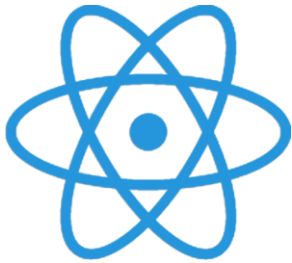
Backend Development

IntelliJ, Java, Spring Boot, Swagger, Postman, Hibernate, PostgreSQL **database**

Endpoints(**CRUD**) 15-20

Frontend Development

React - Next - TypeScript - Tailwind



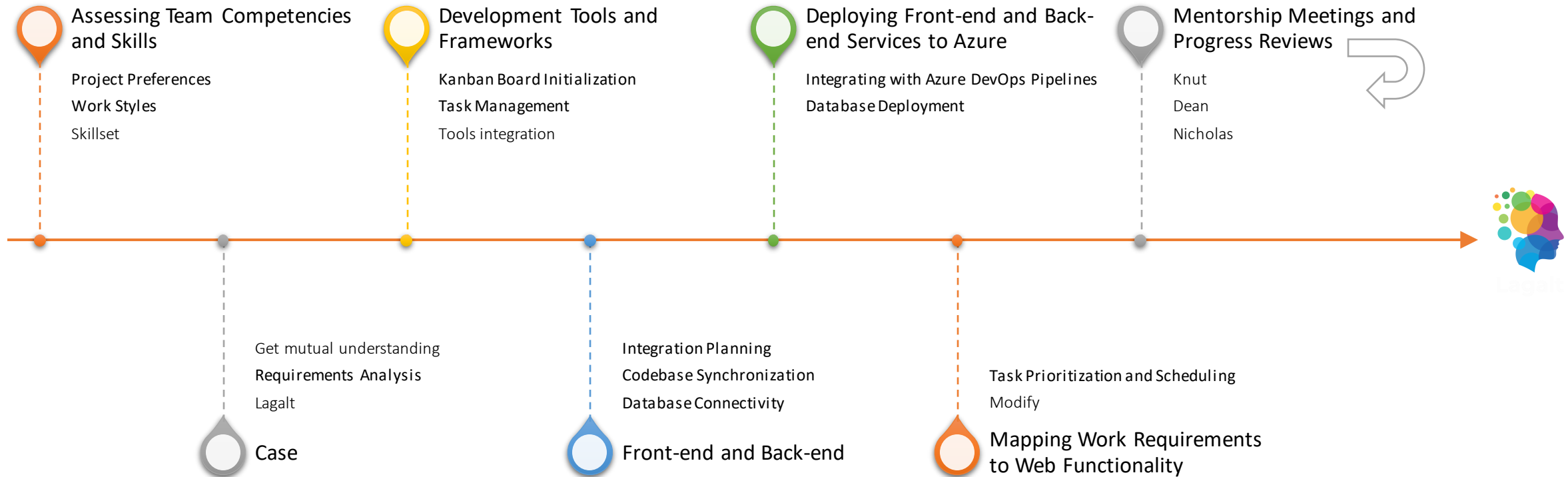
NEXT.js

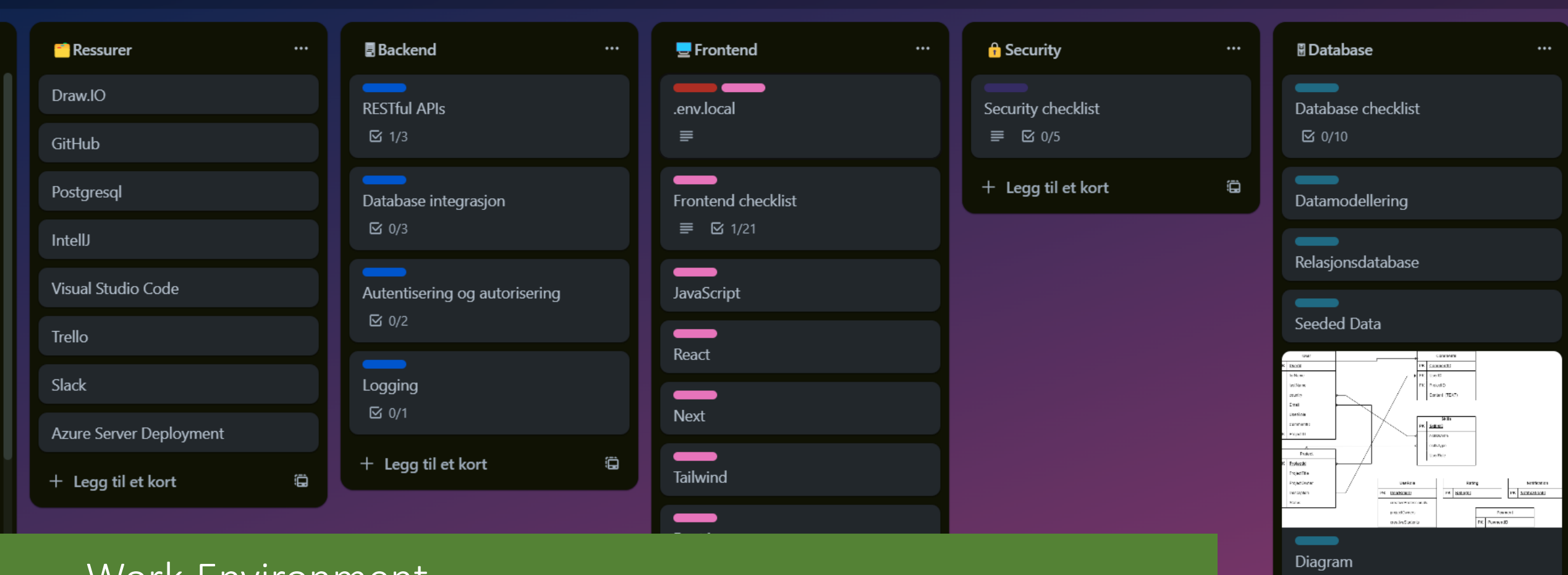


Figma - VS Code - Vercel



Process planning





Work Environment

- ✓ Daily Stand-ups
- ✓ 08-16 (Flexible)
- ✓ Kanban boards

- ✓ Mentor
- ✓ SLACK / DISCORD
- ✓ Task deadline and flexible timeline



User Stories

PROFESSIONALISM USER

- Jostein Gjertsen
- Check projects
- Apply

PRODUCT OWNER

- John Smith
- Administrate project
- Participant



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LAGALT- DEMO



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Challenges



- Different Interpretations of Project Scope
- Task Prioritization Conflicts
- Inter-role Communication Gaps

(Backend <-> Frontend)

(Backend <-> Configuration)

(Frontend <-> Configuration)

Future improvement

Functionality

- ✓ Admin functionality (find statistics, delete users, etc...)
- ✓ Search bar to search project.
- ✓ Chat
- ✓ Upload files
- ✓ Make our application more responsive and user-friendly.
- ✓ App



Conclusion



Learning Outcomes

Reflection

Project Summary

Knut (Mentor), Dean and Nicholas

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