

# Project Report

DEVOPS, SOFTWARE EVOLUTION AND SOFTWARE MAINTENANCE

*Andreas Kongstad*

kong@itu.dk

*Charlotte Schack Berg*

csbe@itu.dk

*Eythor Mikael Eythorsson*

eyey@itu.dk

*Christian Lüthcke*

clyt@itu.dk

*Frederik*

fbah@itu.dk

Instructors:  
Helge Pfeiffer & Mircea Lungu

May 10, 2022

# Contents

<b>1</b>	<b>System's Perspective</b>	<b>3</b>
1.1	Overview . . . . .	3
1.2	Subsection . . . . .	3
<b>2</b>	<b>Process' Perspective</b>	<b>3</b>
2.1	CI/CD chains . . . . .	3
2.2	GitHub . . . . .	3
2.2.1	Organization of repositories and branching strategy . . . . .	3
2.3	monitoring and logs . . . . .	3
2.4	scaling and load balacing . . . . .	3
<b>3</b>	<b>Lessons Learned</b>	<b>3</b>
3.1	refactoring . . . . .	3
3.2	Maintenance . . . . .	3

# **1 System's Perspective**

## **1.1 Overview**

## **1.2 Subsection**

# **2 Process' Perspective**

## **2.1 CI/CD chains**

## **2.2 GitHub**

### **2.2.1 Organization of repositories and branching strategy**

Issues in GitHub are used to track what needs to be done, and how far a task is from completion. Upon creation, issues are given tags as well as being organized into Projects.

## **2.3 monitoring and logs**

## **2.4 scaling and load balacing**

# **3 Lessons Learned**

## **3.1 refactoring**

## **3.2 Maintenance**