DevOps, Software Evolution and Software Maintenance

IT University of Copenhagen

Thomas Tyge Andersen
thta@itu.dk

Ask Harup Sejsbo
asse@itu.dk

Joakim Hinnerskov
jhhi@itu.dk

Petya Buchkova
pebu@itu.dk

Kasper Olsen
kols@itu.dk

May 4, 2021

Contents

1 System's Perspective

Automatic CI build test

1.1 Design of your ITU-MiniTwit systems

1.2 Architecture of your ITU-MiniTwit systems

1.3 Important interactions of subsystems

2 Process’ perspective

2.1 How do you interact as developers?

2.1.1 How is the team organized?

2.2 Stages and tools

2.3 Organization of repositories

2.4 Applied branching strategy - Kasper

3 Lessons learned perspective

3.1 Evolution and refactoring

3.2 Operation

3.3 Maintenance