

UNIVERSITY OF SOUTHERN DENMARK

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

DM885: MICROSERVICES AND DEV(SEC)OPS

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# Title

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# 1 Introduction

The structure is a guideline for the project description. Feel free to insert subsections as you see fit.

This introduction gives an overview of the motivations and results of what you have done. Describe the challenge that you want to address, motivating why it is relevant.

# 2 Preliminaries

Give a brief overview of the background knowledge needed to understand your report. Provide references to what you have used. Note: there is no need to repeat what we discuss during the course, you should be brief.

# 3 Technical Description

Here you explain the technical work you have carried out. You should present the overall view of your microservice architecture. You may include code snippets where relevant, and refer to source code in the project files. Try to explain the development choices you did taking into account important properties such as deployability, availability, reusability, security, modifiability, performance.

## 3.1 Architecture

In this subsection please provide at least a diagram of the entire architecture and describe it.

## 3.2 Infrastructure

### 3.2.1 Automation

### 3.2.2 Security

### 3.2.3 Monitoring and Logging

## 3.3 Testing & Evaluation

# 4 Related Work and Discussion

In this section you review the relevant state of the art. This may include alternative solutions to the same challenge you have tried to address in your project, or alternative

methodologies that you may have followed (e.g., choice of other technologies for implementing the project). Provide a discussion on the implications of your choices in the design of your work and the technologies/techniques that you have used.

Discuss what are the shortcomings/limitations of your project, possibly explaining how they could be solved or mitigated.

## 5 References

This section should contain references to the articles/websites/resources/etc. cited in your report.