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**FACULTY
OF INFORMATION
TECHNOLOGY
CTU IN PRAGUE**

Master's thesis

Example Thesis

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October 11, 2021

Acknowledgements

TODO

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In Prague on October 11, 2021

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Czech Technical University in Prague

Faculty of Information Technology

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Abstrakt

TODO

Klíčová slova TODO

Abstract

TODO

Keywords TODO

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Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Curabitur vestibulum rutrum felis et tincidunt. Vestibulum a ipsum dictum, varius ante ac, blandit ex. Fusce sollicitudin varius odio id hendrerit. Donec ut bibendum lectus. Proin efficitur, nisi eu tristique suscipit, erat orci porttitor magna, ut commodo tortor odio dapibus mauris. In nec ligula sodales, blandit massa vel, iaculis sapien. Cras sit amet auctor orci. Sed neque sapien, varius sed mollis sit amet, vestibulum ut tortor.

Main goal

The main sight of the thesis is research about the microservices architecture (MSA) and the usage of acquired knowledge for refactoring and finalising the existing information system for project management.

Structure

Chapter 1 contains a brief analysis of previous project.

Chapter 2 contains a specification of the new project.

Chapter 3 contains an analysis of MSA.

Chapter 4 contains an analysis and implementation of the server.

Chapter 5 contains an analysis and implementation of the client.

Chapter 6 contains an information about testing.

Chapter 7 contains a deployment information.

At the conclusion, the result of the work, achievements of predetermined goals and fulfilment of the master's thesis are evaluated.

The source code of all applications, documentation and other materials are provided in the appendices and enclosed media.

Style Guide

1.1 Section 1

1.1.1 Section 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa ¹.

Nulla imperdiet imperdiet enim, et tristique risus. Fusce eu neque a ipsum aliquam viverra. Praesent sed vehicula **metus**, sed sodales orci. Sed dolor sit amet amet, consectetur $\frac{5}{4}$ adipiscing eleifend MSA.

$$\int \gamma^n + y^n dx = \frac{5}{8}$$

1.1.2 Subsection

Lorem ipsum elit venenatis ??.



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Figure 1.1: Caption label 1

¹Lorem ipsum dolor.

1. Style Guide

```
// Dependencies
require('Styles/index.scss');
const Application = require('Core/Application.class');
// Application
global.app = new Application();
app.init(x ≤ 5);
app.getRouter().refresh();
```

Figure 1.2: Caption example of JS code

| Method | Data to encode | Encoded data |
|--------|-------------------------------|-------------------------------|
| RLE 1 | <i>babaaaaabbbaabbbba1aaa</i> | <i>1b1a1b5a 3b2a4b1a 2i3a</i> |
| RLE 2 | <i>babaaaaabbbaabbbba1aaa</i> | <i>bab@5a@3 baa@4ba1 1@3a</i> |

Table 1.1: Caption label 1

| | | |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |
| 7 | 8 | 9 |

Table 1.2: Caption label 2

NEC natoque penatibus,

Venenatis enim justo rhoncus.

1. Sociis natoque penatibus

- In enim justo, rhoncus ut imperdiet a venenatis.

Analysis of the previous project

Conclusion

Conclusion. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce eget lacus sodales, hendrerit leo a, fringilla sapien. Proin ac interdum nisi. Vestibulum vel hendrerit elit. Sed tincidunt finibus rhoncus. Etiam consectetur ipsum arcu, ac elementum ipsum hendrerit vitae. Morbi vitae rhoncus nulla. Proin ac vestibulum diam. Vestibulum sagittis ultricies mi, ut dapibus mi consectetur non.

Bibliography

- [1] Powel, M. The Canterbury Corpus [online]. November 2001, [Cited 2011-10-12].
Available from: <http://corpus.canterbury.ac.nz/index.html>

Acronyms

MSA microservices architecture.

Contents of media

A visualisation of the content of enclosed media.

| | | |
|--|-------------------|-----------------------------------------------|
| | README.txt..... | the file with description |
| | src..... | the directory of source codes |
| | applications..... | the directory of source codes of applications |
| | thesis..... | the directory of source codes of the thesis |
| | text..... | the thesis text directory |
| | thesis.pdf..... | the thesis in PDF format |
| | resources..... | the directory of additional resources |