

BACHELOR THESIS

# Extension X for Framework Y

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## **Abstract**

TODO introduction

TODO approach and technologies

TODO result

# Acknowledgements

TODO anyone we'd like to thank

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# Listings



## Part I

# Management Summary

# Chapter 1

## Context

### 1.1 Initial Situation

TODO describe initial situation, not too technical

### 1.2 Goals

TODO goals, not too technical

### 1.3 Software Development Process

TODO describe decision to use RUP/Scrum TODO maybe describe what project management tools we'll be using

### 1.4 Project Management Infrastructure

TODO what tools are used, where is the source code hosted, how is time tracking done, ...

### 1.5 Personal Goals

TODO maybe there's a personal goal, like creating a reusable open source library as a byproduct, which isn't part of the requirements

## Chapter 2

# Project Phases

TODO describe this phase in retrospection

### 2.1 Inception

TODO describe this phase in retrospection

### 2.2 Elaboration

TODO describe this phase in retrospection

### 2.3 Construction

TODO describe this phase in retrospection

### 2.4 Transition

TODO describe this phase in retrospection

## Chapter 3

# Results

TODO describe results

**Part II**

**Technical Report**

# Chapter 4

## Scope

TODO what's this thesis about (general scope)

Portable Document Format (PDF) is an entry from the glossary. From now on, using PDF will look different.

### 4.1 Motivation

TODO Why do we care about this thesis? Why are we interested?

### 4.2 Initial Situation

TODO What's the legacy state, some history about it, its original goals

### 4.3 Software Architecture

TODO legacy architecture

### 4.4 Goals

TODO preprocessed goals (more concrete than in Task Description)

TODO these are in retrospective, list differences to initial goals

## Chapter 5

# Requirements

TODO requirements gathered in first meeting with client  
TODO maybe list priorities here already

### 5.1 Functional

TODO functional requirements

### 5.2 Use Cases

TODO use cases, if any

### 5.3 Non-Functional Requirements

TODO NFRs, like KISS, coding guidelines, testing

## Chapter 6

# Approach

TODO what have we done to arrive at the goal (should be reproducible)

TODO this includes what we know as "Concept" and "Implementation"

TODO also describe fundamental thoughts on testing, but not the scenarios



## Chapter 7

# Results

TODO what are the results (without discussing them)

TODO test results to verify our approach and implementations go here too

## Chapter 8

# Discussion

TODO discuss results here TODO discuss solution (strengths, weaknesses, opportunities, threats)  
TODO limitations of the solution  
TODO what's the benefit for the client? new business opportunities?  
TODO general advice: be concise, brief, and specific

## Chapter 9

# Conclusion

TODO write conclusion, we're the best and everything is awesome

# Glossary

**PDF** Portable Document Format. 6

## Part III

# Appendix

## Appendix A

# Self Reflection

TODO how did we perform, completion of goals, accuracy of estimated efforts, efficiency, resourcefulness

## Appendix B

# Task Description

TODO here goes the signed Task Description

## Appendix C

# Project Management Artefacts

### C.1 Project Plan

TODO import project plan from wiki

### C.2 Risk Analysis

TODO import risks from wiki



## Appendix D

# Infrastructural Problems

TODO describe serious problems here, if any

### D.1 First Problem

TODO describe issues with X

### D.2 Second Problem

TODO describe issues with Y

TODO add any other appendix chapters here, like details about software X, usage manuals, ...