

BACHELOR THESIS

Extension X for Framework Y

John Doe, Jane Smith

for industry client
X GmbH

supervised by
Prof. Bob Dotcom

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Abstract

TODO introduction

TODO approach and technologies

TODO result

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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)

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

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, ...