

Report structure (a suggestion)

Front page including summary / abstract and group

Foreword

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Introduction

- (Who are we, what task we have, project method)

Analysis of business

- What company
- Contact to the company
- What does the company work with
- A business analysis (Business Model Generation Canvas + (SWOT + Porters 5) (describe which models and why)
- How can your system help the company (eg, vision / rich images)

The project (Your System)

- Project establishment (group task, perhaps vision - if not already during analysis, glossary ...)
- Problem statement
- Human resources
 - Who- contact information
 - Maybe roles
- Technology resources
 - SW
 - HW
- How to work
 - Meeting plan
 - Communication
 - Diary/logs
 - Pair programming/pair work
- Group contract
- Risk List for the project.
- Project management (possibly. Scrumboard / Trello, Gantt chart)
- Overall plan for the four phases (You will probably do inception + elaboration and maybe part of construction, transition) - a few words about what you are going to do in the different phases.
- Quality factors. What quality factors will you emphasize in your project

Inception

- Describe requirements (use cases + supl.spec) (validation of the use cases)
- FURPS+ (Quality factors)
- GUI prototype on paper
- (use case diagram)

- Set up the order of use cases - based on risk/ business value and Core architecture
- Choose one use case for the first in elaboration - why is the interesting (which reduces the risk - see risk list under the project). Argument for core architecture and high business value.
- Evaluate and update risk list
- Evaluate the iteration plan
- Create a plan for the next iteration

Elaboration

- You must choose one iteration in detail the (optional. Describe previous iterations if this not the first iteration)
- What will you investigate with this iteration (use case)?
- How would you investigate it?
- Describe the process - as a demonstration of the disciplines in the UP for an iteration

Describe artifacts and relations between them

- Use Case model (use case text, use case diagram, System sequence diagram, operation kontrakter)
- Supl. Spec.
- Domain model
- Database model (EER, mapping and normal forms (show the functional dependencies and argumentation that the tables are in 3.NF)
- Layered Model (MVVM model)
- (Design) Sequence Diagram (as well as principles (GRASP + other design patterns) for diagram)
- Design Class Diagram (describe GRASP: coupling and cohesion, (low coupling, high cohesion) controller, info expert and creator (if possible))
- Implementations aspects: choice of data structures, choice of relationships (associations, aggreinger, composite, inheritance)
- Show relevant code
- Unit testing (test cases)
- User testing/think aloud test

How have you evaluated the iteration? (review, acceptance test)

- What have you learned from this iteration? - Is the risk diminished? (Updating the risk list)
- What should be the next iteration (what is now the highest risk, core architecture, high business value)
- Briefly describe the subsequent iterations (unless this was the last)
- Evaluate and update risk list
- Evaluate the iteration plan
- Create a plan for the next iteration

Construction (if you have planned with this phase)

- Which parts are completed?
- What was missing?
- How is it tested?

Conclusion

- Always answer to the problem formulation

Evaluation of the process

- How has the project management worked out? Both good and bad
- How has it been to use Unified Process to work with in your project? Both good and bad
- How has it been to use C # and Visual Studio to work with in your project? Both good and bad
- How has it been to use relational database (SQL) and MSSQL be to work with for your project? Both good and bad
-? Both good and bad

Evaluation of the product / system

- What have you achieved - what can your system do
- (we do not want to hear about everything that you did not reach)
- Will your system can be any help your business as you had intended.
- Does it solve any problems related to the business analysis

Perspectives

- In which direction could your system could evolve
- What will be the next you want to make
- What opportunities are there in your system
- ...

Literature references

- Remember to make a proper literature list and refer to the literature list in the report

Appendix

- The entire project establishment
- The entire company analysis
- The entire Inception
- All iterations of elaboration
- Communication with business
- Examples of SQL queries

Video

- Make a video that demonstrate your application
- <https://screencast-o-matic.com/home>