

Latex assignment - Part One

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1 Requirements of Bachelor thesis

The bachelor's project must document the student's understanding of and ability to reflect on the practices of the profession and the use of theory and methods in relation to a real-life problem. [2, pg.18]

To achieve this the student must investigate a software related problem, find a solution, and make small implementation of the solution to demonstrate it. The student should try to include elements from his/hers classes the student have had during the program. The Project can be done in groups of up to 4 people, the bigger the group the bigger the scope the project has to be. [1, pg.1]

1.1 Requirements of the report

1. The report has a maximum size. The max size of the report is calculated by this formula: $maxPageCount = 40 + 20numberOfStudents$ [2, pg.1]
2. The report must be written in either Danish or English [1, pg.1]
3. The content itself must include a thorough description of the work done during the project and also an evaluation and reflection of the work done [2, pg.2]

1.2 Report content

These are the required components of the report itself

1. The report first page(cover) has to have a title, with the student's name, ID, school and supervisor
2. The report must have an abstract that is sort of an advertisement of the project and answers these questions:
 - What is the problem?
 - Why is the problem interesting?
 - What is the solution?

- What are the implications of the solution?
3. The report must have an Introduction that describes why the topic is important today, what the objectives of the project is (The expected result), project tasks (How do you reach the expected result, what tasks must you accomplish to reach the expected result), Scope of the project (what is the objectives and what is not), and a brief description of:
 - State of the art and trends - a description of current and similar solutions in the area chosen.
 - Requirements specification and solution design - a formulation of project foundation and detailed description of the solution.
 - Solution development and implementation - A presentation of the implemented solution, how it was deployed and how it is maintained.
 - Conclusions - What has been done and what you have found out.
 - Appendices - A list of references of used information sources.
 - Final work - A visual powerpoint must be done to demonstrate and presentate the work done, and a small demo of the application.

[1]

References

- [1] SOFT instructors. Bachelor project. <https://datsoftlyngby.github.io/soft2020fall/resources/bbe51cf2-bachelorProject.pdf>. 05.03.2021.
- [2] Ole Gram-Olesen Lars Bogetoft, Kirsten Ringgaard. Curriculum for the bachelor's degree programme in software development. https://www.cphbusiness.dk/media/78342/pba_soft_cba_curriculum_2017.pdf, 2017. 05.03.2021.