Requirements for Project Submission SDU Sønderborg 2023 Semester 1

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# Iteration #1

At the conclusion of iteration #1, submit the C# project (see section 3 below) in its preliminary form and a draft of the project portfolio (see section 4 below). The draft may include larger or smaller portions of the final project portfolio as per the group's choice and agreement with the supervisor. It is essential that the draft presents the results of both the problem analysis phase and the first iteration, meaning that sections 1-7 are initiated. It is not crucial for all text to be completely refined. The level of refinement in the text depends on the progress of your work and what feedback you seek during submission. Text with a lower degree of completion can be used to receive feedback on your project direction, work approach, material prioritization, etc. Highly refined text can be used to obtain detailed feedback on how you align with the objectives of the semester project.

# Final Submission

At the end of the project, submit the final C# project and the final project portfolio. The C# project and project portfolio serve as the basis for your preparation for the oral project examination.

# C# Project

The C# project should be submitted as a zip file. Other requirements for the C# project are detailed in the project description (available on itslearning under Plans/Semester Project and Project Description).

# Project Portfolio

The final project portfolio should have the following structure:

* 1. Cover Page
  2. Table of Contents

1. Problem Analysis
2. Requirements
3. Design
4. Implementation
5. Evaluation
6. Conclusion
7. Process Evaluation
8. References

Appendix A: Collaboration Agreement Appendix B: Supervisor Agreement Appendix C: Project Log

Appendix D: Portfolio Checklist

The project portfolio must adhere to the guidelines and requirements outlined in the "Portfolio Checklist" (see section 5). The portfolio should not exceed 40 pages (excluding appendices). It should comprehensively cover the content mentioned above, which will likely require around 35 pages.

The portfolio should follow the citations guidelines in <https://www.sdu.dk/en/bibliotek/studerende/referer-korrekt>. It is recommended to use the IEEE style for referencing the citations [https://journals.ieeeauthorcenter.ieee.org/wp-](https://journals.ieeeauthorcenter.ieee.org/wp-content/uploads/sites/7/IEEE_Reference_Guide.pdf) [content/uploads/sites/7/IEEE\_Reference\_Guide.pdf.](https://journals.ieeeauthorcenter.ieee.org/wp-content/uploads/sites/7/IEEE_Reference_Guide.pdf)

The following formatting guidelines are recommended to use:

Font size 12

Line spacing 1,5

It is recommended to use the font “Times New Roman”. It is important that you don’t use a font that deviates too much from the standard. This is firstly because it might cause conversion issues when sending the documents electronically and secondly because “*Some Fonts*” can be difficult to read.

# 5. Portfolio Checklist

Complete the checklist by marking the requirements considered fulfilled with a "+" and the unfulfilled ones with "-." Insert the completed checklist as Appendix D.

|  |  |  |
| --- | --- | --- |
| Chapter | Content | Fulfilled  +/- |
| Cover Page | Project title, educational institution, faculty, department, program, course code, project period, supervisor, project group, and project participants (first name, last name, SDU email).  May include illustrations. |  |
| Table of Contents | Comprehensive table of contents for the entire project portfolio. |  |
| Introduction | Project context and background for the project. |  |
| Problem analysis | Description of the delivered framework. Problem statement and limitations.  Methods.  Timeline. |  |
| Requirements | Total requirements (received and formulated by you).  Analysis of the requirements, including:   * Noun-Verb analysis * CRC cards |  |

|  |  |  |
| --- | --- | --- |
| Design | Description of the design, including one or more UML class diagrams. The description includes architecture and user interface design. |  |
| Implementation | Description of the implementation with key parts of the program code. |  |
| Evaluation | Evaluation of whether the solution meets the requirements, e.g., through user testing. Description of what has been achieved and what has not been achieved in the project compared to the expected outcomes described in the introduction. Description of strengths and weaknesses in the results and whether better results could have been achieved. Description of known issues. |  |
| Iteration #1 and #2 | Have results from both iteration #1 and iteration #2 been included in the above sections (Requirements, Design, Implementation, and Evaluation)? |  |
| Conclusion | Summary of the results and the evaluation. Answer to the problem statement. |  |
| Process Evaluation | Reflection on the process and the group's consideration of the process: The learning process, team roles, internal group and supervisor cooperation, project work methods, working methods, methodologies, writing process, time management of the project, project leadership, project  work distribution, etc. |  |
| Collaboration Agreement | Insert the collaboration agreement as Appendix. |  |
| Supervisor Agreement | Insert the supervisor agreement Appendix. |  |
| Project Log | Address and a link to the project log Appendix. |  |
| Portfolio Checklist | Completed Portfolio Checklist Appendix. |  |

Please ensure that your project submission aligns with these requirements. Good luck with your project!