

Reflection Report on ProgName

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[Reflection is an important component of getting the full benefits from a learning experience. Besides the intrinsic benefits of reflection, this document will be used to help the TAs grade how well your team responded to feedback. In addition, several CEAB (Canadian Engineering Accreditation Board) Learning Outcomes (LOs) will be assessed based on your reflections. —TPLT]

1 Changes in Response to Feedback

[Summarize the changes made over the course of the project in response to feedback from TAs, the instructor, teammates, other teams, the project supervisor (if present), and from user testers. —TPLT]

[For those teams with an external supervisor, please highlight how the feedback from the supervisor shaped your project. In particular, you should highlight the supervisor's response to your Rev 0 demonstration to them. —TPLT]

1.1 SRS and Hazard Analysis

1.2 Design and Design Documentation

After getting feedback from peer review and Dr. Smith, I implemented significant changes to the design documentation, primarily focusing on enhancing its level of detail. In the previous version of my design document, I omitted the detail formulas for the calculation because I thought they could be found in SRS, but that is not enough for someone who is only reading the design document. So I include those and make it more detail by separating the calculation process by steps. Also, I rename some modules to make the name end with T to indicate it is an abstract data type.

1.2.1 Unlikely Changes

There was some ambiguity for UC3, which is about visualization. I rephrase the sentence so that it simply mean “there would be visualization” rather than talking about the type of visualization.

1.2.2 Modules

In the first version of my software, I put the calculation process within one module, but then I realize that is not detailed enough and it will be hard for information hiding, as each step of the calculation has its own secret, which is the different formula. So I separate the calculation by steps, with one step aiming to solve a single equation. This is also good for maintainability, if the formula for one step changes, only the corresponding module need to be changed. The Use Hierarchy changes correspondingly as well, the comparsion could be found in Section 6.

1.3 VnV Plan and Report

2 Design Iteration (LO11)

[Explain how you arrived at your final design and implementation. How did the design evolve from the first version to the final version? —TPLT]

3 Design Decisions (LO12)

[Reflect and justify your design decisions. How did limitations, assumptions, and constraints influence your decisions? —TPLT]

4 Economic Considerations (LO23)

[Is there a market for your product? What would be involved in marketing your product? What is your estimate of the cost to produce a version that you could sell? What would you charge for your product? How many units would you have to sell to make money? If your product isn't something that would be sold, like an open source project, how would you go about attracting users? How many potential users currently exist? —TPLT]

5 Reflection on Project Management (LO24)

[This question focuses on processes and tools used for project management. —TPLT]

5.1 How Does Your Project Management Compare to Your Development Plan

[Did you follow your Development plan, with respect to the team meeting plan, team communication plan, team member roles and workflow plan. Did you use the technology you planned on using? —TPLT]

5.2 What Went Well?

[What went well for your project management in terms of processes and technology? —TPLT]

5.3 What Went Wrong?

[What went wrong in terms of processes and technology? —TPLT]

5.4 What Would you Do Differently Next Time?

[What will you do differently for your next project? —TPLT]

6 Appendix

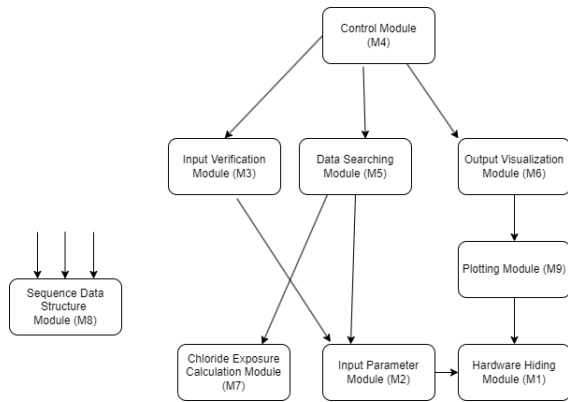


Figure 1: UsesHierarchy before

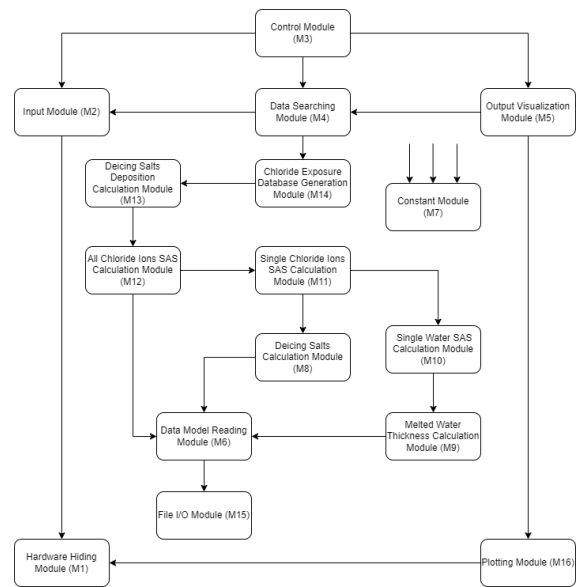


Figure 2: UsesHierarchy after