

What Went Well

Completion of Requirements

Overall the project went well and our team completed all of the required deliverables on time. We effectively followed the plan-driven development strategy to ensure the requirements, design, and test plan were clearly documented before beginning to implement the program. The associated documents were clear, thorough, and concise. We received full credit for every document.

Final Deliverables

The final product compiles and runs without any issues. The code is well-structured, clean, and readable. All functional requirements and non-functional requirements are met. The product does everything the customer asked for including accepting member, provider, and service data, printing out accurate reports, and properly validating members. The program has been sufficiently tested, and includes unit tests that can be reused if any updates are made in the future. The user interface is clean and easy to use.

Communication and Participation

Our team was able to communicate effectively using discord. All team members participated in discussions that occurred prior to every milestone. Github was used properly for version control. Tasks were evenly distributed for each document. Everyone on the team was proactive and volunteered to complete portions of the assignments.

What Didn't Go Well

Team Structure

It may have been beneficial to have more clearly defined roles, including a leader in charge of distributing tasks. Although we were able to divide up the work fairly equally it could have been planned better. In the end it is possible that some members of the team may have done significantly more work than others on the final product.

Software Development Process

Although the plan-driven development process was followed properly, it may not have been the best strategy. Our team would have been more successful following the Agile approach. It would have been beneficial to start on the code earlier on, and divide

the project into smaller tasks that could be assigned to individuals. It was difficult to create entire requirements, design, and test plan documents for such a small project.

Planning Software

Team communication was mostly limited to discord. It was able to effectively handle necessary communication although it could have been used more effectively by maintaining multiple channels. Team management software such as Asana, Jira, or Trello would have been beneficial in managing assignment of tasks and allowing the work to be divided more uniformly. It was unclear what expectations were for who is to complete which tasks and by when due to the lack of proper software.

Customer Communication

While our team was able to successfully determine the requirements of the customer from the given description, it would have been helpful to have more information, such as holding regular meetings throughout the planning process. We could have been more proactive about asking questions. However it seemed the customer may not have had a very specific idea of what they wanted so we felt that we could make our own decisions about the design that the customer would likely be satisfied with.

Timeline

Assignment deadlines were frequently changed, which caused some confusion amongst the team. The amount of time given was often unnecessary, but could have been better utilized with a more structured process.

Document Format

The document templates were difficult to understand and did not align with common practices. It would have been very beneficial to have some references to refer to in what the expectations were in following the templates. Our team was able to deduce how to make standard practices fit into this and also corrected the format of the templates.

Testing and Quality Assurance

While there were sufficient tests to ensure the program is working properly, there is not full coverage. If there will be continued updates to this program it would be

beneficial to include more extensive testing. The production team is lacking a proper QA department to handle post-development testing.