**Tracie Lindquist:**

* **M02 Deadline 1:** Stay up to date with changes in the “Team\_Collaboration” document and comply with needed input. (100%)
  + Complete
* **M02 Deadline 2:** Acknowledge the assigned role and responsibilities, Team Customs, and the Project Proposal. Sign off on MO3\_Final\_Project\_Launch. (100%)
  + Complete
* **M03 Conclusion:** By the end of module 3 the group will have a plan for the final project proposal, will be familiar with the methods and customs of the group as far as coding and collaboration go, and will be prepared to hit the ground running in Module 4.
  + I wasn't included in any discussions during this time
  + The rest of the team designed and kicked off development
* **M03 Deadline 2 and 2:** Get ahead in your studies to make more time for future deadlines.
  + Complete
* **M04 Conclusion:** By the end of Module 4 the group should have the essentials of the GUI, The classes being used, and a searching feature. This is the skeleton of our project. We will add more features in module 5 as well as troubleshoot any issues there may be.
  + Incomplete
* **M05 DeadLine 1 and 2:** Fill in the database with real data. Test current working program and log results. Take summary and feedback from members on what was difficult and how it was overcome. As additional code is added, log information into the Testing\_Log document.
  + Created draft UML
  + Don’t see anything resembling a repository or files that are ready to test.
  + Added notes to testing log
* **M06 DeadLine 1**:Work with the team and get the files to be cohesive.
  + Made suggestions for ways to get the GUI to push data into the database.
  + Provided link to YouTube Video that may help the team continue the approach they’re currently using.
* **M06 DeadLine 2:** Test project, gather testimonials, report to the Testing\_Log document. Send issues back to the team.
  + Started work on project documentation
  + Updated UML to reflect actual application design
  + The team is still trying to figure out how to get the lists created in each of the class files to push to the database.
  + I have reviewed the code in the class files and tested them in the IDE. The classes function as expected, but they aren’t yet communicating with the .db.
* **M07:** Continue to test project, gather testimonials
  + Was able to run a few tests on the finished application.
  + Reported bugs to the team for code rework.
* **M08:** Completed testing, completed documentation
  + Was able to re-test issues that arose in M07 and test bug fixes
  + Determined application is working as designed
  + Completed user manual and testing documentation
  + Gathered Testimonials from all team members

**Samuel Windell’s testimonial for Module 6:**

Module 6 was ultimately a success to say the least. communication and collaboration did not appear to be increasing at the rate needed for the progress we desperately needed.

We were moving but not fast enough to make the deadline with goal meeting results. David stepped up and made great progress through Tuesday night. With no active teammates to communicate with and create cohesion, he felt forced to take matters into his own hands and redo some of the code that did not cooperate with the backend work. Overnight he was able to get the group in position to run our first real test. Although there were still issues the group was elevated significantly by David's work that night. Because I still needed the group to rise with David after this elevation, I decided to promote David to development supervisor to help the communication flow between the front and back end developers. Both Tyler and Donivan could then pick up from where David left off with David's advice and support. I believe this structure of division of labor will improve the communication gaps we faced previously. The group's full time schedules make it near impossible for us to hold meetings. This is another reason that the choice to concentrate tasks amongst members was a good move in my opinion.

**Samuel Windell’s testimonial for Module 7:**

Module 7 kicked off really well. The group immediately came together the way I instructed and found solutions to the problems found in Module 6. The group made the first deadline fully meeting expectations and setting a solid start to the final sprint of the project. The second deadline almost found the project completed. We achieved more than I expected us to. We now Have the rest of Module 8 to get everything together in the project without a sweat. This worked out great!

**Samuel Windell's testimony for Module 8:**

The last week went very smoothly. We had a few very easy things to improve and make the project work even better. This was as simple as noticing oversights in the code and fixing them. Overall I am very pleased with the group's effort, and glad we were able to mostly relax in the final hours of the submission deadline.

**Testimonial**

Over the past several weeks, I had the opportunity to contribute to a significant project focused on developing a comprehensive program that streamlines customer and vehicle management, as well as service charges. The primary objective of this project was to create a seamless and efficient system for adding customers and vehicles, and subsequently adding the service and cost to the vehicle and customer entries.

**Key Achievements**

1. **Program Development:** Successfully developed a program that allows users to add customers and vehicle information effortlessly.
2. **Database Implementation:** Implemented a well-structured database comprising three essential tables: customer, vehicle, and service. This structure ensures organized data storage and proper retrieval of information.
3. **Service Charge Integration:** Enables adding total money spent by the customer for every service charge.

**Challenges and Solutions:**

1. **Database Optimization:**  One of the main challenges was optimizing the database to properly search and secure information. By implementing indexing and making sure propper queries were made, I was able to ensure that the database operations remained swift and reliable.
2. **User Interface Design:** Designing an intuitive and user-friendly interface was difficult. I ended up replacing the GUi interface we originally had. I focused on creating a clean UI that allowed faster navigation.

**Skills and Tools Utilized:**

● **Python:** Python's large number of libraries offered more than enough functionally for the project.

● **Database Management:** Leveraging SQLite for databases allowed for a lot of community resources on proper usage.

● **Problem-Solving:**  Usage of a single document that every team member can modify helped ensure everyone understood what was currently going on.

**Donivan Hawkins**

Module 1 - 3: This part of the project was mainly focused on learning what we would be doing and I found it to be somewhat challenging learning everything we would be doing. Overall this portion was the easiest of the entire project.

Module 4: I made the rough version of a Tkinter GUI, this was very challenging as at the time I did not fully understand how it was going to be used and did not understand what to do with it. Just making the GUI took many hours of work and a lot of setbacks.

Module 5: This was by far the most difficult module, I spent many hours working on refining the module and making sure everything worked to the best of my ability and looked as best as I could make it look.

Module 6/7: These modules I have tried fixing some of the issues we have had but none of the fixes I have done worked. I have been trying as much as I can and have been using tutorials to try and help but have been very unsuccessful. I will continue to try and will update if I can fix anything.

**Tyler Jorendt**

Module 1 I don’t believe we were a group yet.

**Module 2**

I believe this is where we got our group’s released and I didn’t notice anything until the end of the week because I got caught up in work.

**Module 3**

With not realizing we had formed a group for our project I didn’t see my group was trying to communicate to start creating our project. I understood that my group might have gotten a little frustrated with that since I couldn’t communicate with them what my time schedules looked like and what experience I had that I’d be able to contribute to our project. Since then I’ve tried my hardest to communicate with them about what I am doing with our project.

**Module 4**

Module 4 is where we clarified exactly what we were doing for our projects and received our first deadlines. I needed clarification on what was being asked of me so I was trying to communicate with our team lead on what needed to be done for my deadline. At first, my deadline had gotten changed a little due to needing to work around one of the group members which I had no problem with since I hadn’t gotten started on any work due to needing clarification on my tasks. Then with the changing of my assignment, I had gained more confusion about my deadline and needed some better clarification which ultimately ended up having my deadline canceled entirely since some plans had changed. However, I was informed that we were going to use SQLite3 for our database so I was able to look ahead and learn how SQLite3 worked for our project.

**Module 5**

In module 5 my deadline was to create a way to input data into our database from our GUI which we used Tkinter to create. It took a lot longer than I liked because of some issues in the GUI’s code. At first, I was told to communicate with a group member to find out how he created the GUI to find where the input data was getting stored because I was having issues getting the entries to appear in the database. This issue didn’t get solved until module 6.

**Module 6**

At the beginning of the week during module 6 the group member in charge of the GUI was finally able to get back and fix our issue relatively quickly. With the GUI’s code completely fixed I was able to get data input into the database. With that accomplished I started to update my code that allowed me to input data into the database. I decided to create three tables in the database since our GUI was set up perfectly to have three tables. With this created I was about to set up the search function however our other back-end developer had gotten online and said he wanted me to upload what I had so he could work on the project for the rest of the night.

**Module 7**

This week has had its ups and downs. I wasn’t the most excited to see the majority of the work our front-end developer had done had been for the most part erased. At the same time, my work had been completely changed. However, I didn’t want to make a big problem out of it and I decided to contribute to helping fix errors in our project since it was almost complete and our other developer got most of it complete. This was also when I reached out to our group member and offered her help with testing for errors to see if I could come up with any solutions. This is when I hit a bump in the road, however. I was having a rough time trying to read the code because it was basically foreign to me since it all had changed overnight. This made it hard to actually get into the code and physically change the errors so what I did to contribute was help identify problems that she had found and give ideas on how we could fix them or change them for better usability.

**Module 8**

The final module wasn’t too eventful for me. I had been trying to wrap up on finding problems and trying to create solutions for them. At the start of the week wasn’t able to get too much accomplished until a group member started a call and we discussed the issues in the code and worked out the problems. During this time he explained a lot of the different parts of the code to me. This helped tremendously with getting the last bit of issues sorted and dealt with properly to complete our project finally.