Reflective Evaluation of the Work

During this group project, I worked with five people myself included. Initially, we did not assign roles to team members, we just worked on what they could and updated the rest of the members on the work they had done. Once I realized this, I started asking what I could do, and what they needed me to do, this was how we got the work done. A GitLab repository was made, and we uploaded work we had done to this repository where everyone could view it, opinions were shared about what was uploaded corrections were made and we also updated each other during our weekly meetings.

The organization of the group improved with each session, we managed to get most of our work done on time and tried to meet the deadline we set for ourselves. We had meetings during every scheduled class session, which was on Wednesdays and Thursdays, during these meetings we discussed the project's goal, how to achieve it, what we needed help with, and how far we had gotten with the project. On very few occasions some members could not attend these meetings, they would inform us via the group chat we made, and we would work without them present. We would update the missing person through the group chat, and no one was left behind.

These meetings kept us up to date on what had been done and what needed to be done, through these meetings I understood the aim of the project better and was told what I needed to do. I had more involvement in the writing of the report and the presentation, I worked on the introduction of the report where I spoke about the aim and what we intend to achieve in the project, I worked on the requirements of the project where I divided in into both functional and non-functional requirements, to complete this task I had to discuss with the group and verify with a tutor if the requirements I had written down meet the specifications of the report and was properly divided into function and non-functional requirements, I worked on the risk report, I discussed it with my team members, and we discussed potential risks that could occur while working on the project, after discussing with them, with the help of another team member I drew up the risk report and described the scale on which the risks were measured, I also worked on the About page of the dashboard and edited the data of the CSV file on the GUI, and I worked on some other parts that helped contribute to the completion of the project. While working on the project, I learned how to import a CSV file into an interactive GU, edit the present data, and use the data to create charts and graphs to show selected information. I learned how to work with people, ad speak in a group so my opinions are heard.

One of our many requirements, non-functional to be specific is ‘good performance when running complex tasks,’ Considering older models of laptops when building this program, we wanted our program to be able to run on both older and new models, this was the sustainability issue we took on. To work on this issue, we used a 17-year-old Dell Latitude D630, we used to fix any problems that could occur when using an older laptop, if our program can work on older laptops, this would reduce the need for customers to replace their computers and hardware reducing possible waste.

The aim of this was to develop a hospital dashboard that prioritized patients in need of a dietitian, to do this we divided the tasks among team members, and let each member know what they had to do, this increased development speed and reduced the workload of the project. We produced a design and test plan, each of them in line with the requirements of the project, next was to implement and test the functionality of the program, how efficient it was, and if it met the requirements. Roles were not appointed, but each member asked what could be done and got it done within the deadline which we monitored using the Gantt chart that was developed, we adjusted this chart if there was any change in our working timeline. As a part of our weekly meeting, we updated our progress and reviewed the project plan to ensure we were on the right path. During development, we considered the possible risks that could occur and tried to avoid them or fix them if they occurred, along with our project plan we had a timeline to ensure we did everything within a reasonable time, and we had weekly meetings to ensure we were headed in the right direction, and we ensured we had time for testing the program to fix any problem that could occur when running the program.

My most important contribution was identifying the requirements and dividing them into functional and non-functional, once I had identified them the team had an idea of where the project was headed and how to get there. The requirements added a direction to the project, and this helped with the development of the program.