

## Reflection

### The most important things I learnt:

This unit has improved my technical skills in working on a group base platform(Jira and Confluence) that gives me have chance to acknowledge how a project actually was(preparing the team's background, pointing out aims, and problems that we met as a team and the process and giving tasks through Jira).

Moreover, during taking the unit, I acquired knowledge of MySQL, applying MySQL to query data from PHP myAdmin. Help me to build and construct a database from scratch. Understanding concepts such as tables, relationships, normalization, keys, and efficient data storage is extremely valuable in any career focused on working with data. These concepts form the foundation for various related skills and play a crucial role in effectively managing and organizing data. Gaining proficiency in these areas is essential for success in data-centric roles and provides a strong basis for other data-related skills. These are essential skill for me as I am taking a Data Science major.

In addition, through the project, I can improve my visualisation skills that using d3.js to visualise data retrieved from the PHP MyAdmin. Which is a very realistic application that will help me to improve my skills in Visualising and Analysing.

Last but not least, my problem-solving skill was much improved since I have more chance to apply what I learnt to solve the problems of visualising and designing the website.

### The things that helped me most were:

- Group work: I have a chance to collaborate with other students who taking the same project as me. This will help me have more experience in teamwork skills.
- Communication: My communication get improved a lot I need to interact with other teammates as well as the tutor about the problems we met, and how to implement an idea of something in the Project.
- Fundamental Knowledge of SQL: This Unit provides a wide range of knowledge of SQL and how to apply them in real-world datasets as well as how to retrieve them for visualisation as well as building websites.

### I found the following topics particularly challenging:

While taking the unit, I got challenged by how to construct a database with the given requirement. To be honest, this takes time to really understand what the stakeholder's requirements are and build a database that meets the requirement. As a team, we work on together and figure out how to do it but then we test and met a problem then fix it that create an iteration of fixing and debugging that helps me understand how to work on a project. Querying is also quite a complicated part in that we need to find out what is the point, and what we need to query based on the requirement. Thankfully, the given documentation and resources that help me to figure it out.

**I found the following topics particularly interesting:**

Confluence and Jira platform: that let me know the structure of the group project, what do we need in a project and assigning tasks which is a very good template that I can use for my future project.

Building website: The special thing is that the website is connected to the database that I can update or delete the things that I don't want in the website as well as visualise the data that is retrieved from it.

**I feel I learnt these topics, concepts, and/or tools really well:**

I doing well with using SQL and PHP to retrieve data from the database and then Visualise it with d3.js. Although I met some problems with finding the requirements of the stakeholders, as a team we figure it out together for the best result

**I still need to work on the following areas:**

For my major, I still need a lot of work with querying using MySQL as well as using Confluence and Jira Task in a more efficient way as well as improving my communication skill that to have a better understanding.

**My progress in this unit was ...:**

My progress was good that is a catch with the timeline that I and my team have planned.

**This unit will help me in the future:**

This unit provides me with a wide range of database knowledge, the structure of a database, how to build it,... and interact with databases that might be the powerful knowledge that help me in the future

**If I did this unit again I would do the following things differently:**

I have to do this again, I would do my best to achieve the Unit Learning Outcomes for the best results as well as the skills

**Other...:**

## Self-Assessment

### Contributing to the Team's Work

I would assess my contribution to the team's work as highly significant. Throughout the project, I actively participated in various areas, including designing the database structure, coding the database, debugging issues, and developing the website. With consistent involvement in these technical tasks, I dedicated considerable effort to ensuring their successful completion. Additionally, as a team member, I am trying to do my best to meet the requirements and objectives that we all discussed.

### Interacting with Teammates

I believe my interaction with teammates was High. I am always participating in any discussions that are made by the leader and together we discuss the aims and what we need to do by using online platforms such as Discord server or direct message use Messenger.

### Keeping the Team on Track

Regarding the keeping team on Track, I would assess that with High. I thrive to finish all the given tasks as soon as possible. And then when I am stuck with something, I would immediately contact team members to solve it. I usually directly meet the leader to discuss of the project what we need to do and the problems we met.

### Expecting Quality

I believe my delivered quality was great and I believe my contribution was High. Since I met all the standards that are given by the team leader and try to improve them.

### Having related knowledge, skills and abilities

I have a strong proficiency in this unit, with a High level of knowledge, skills, and abilities. Through practical experience with group-based platforms like Jira and Confluence, I have significantly improved my technical skills. Working on real projects has given me a comprehensive understanding of the project lifecycle, including objective setting, identifying challenges, and task allocation using Jira. Additionally, I have gained expertise in MySQL and utilizing it to query data from PHP MyAdmin, enabling me to construct and manage databases from scratch. My understanding of crucial concepts such as tables, relationships, normalization, keys, and efficient data storage has been greatly enhanced, which is particularly valuable for data-focused careers like Data Science. The project has also allowed me to refine my data visualization skills using d3.js, enabling me to effectively analyze and present data. Furthermore, I have sharpened my problem-solving abilities through practical application in website design and visualization tasks. Overall, this unit has provided me with substantial growth and proficiency in various essential areas.

### Did you participate in a process of performance improvement of a teammate?

Yes, in addition to completing my assigned tasks, I actively engaged in supporting my teammates by assisting them in identifying and resolving issues they encountered. Whenever I had finished my own tasks, I made a conscious effort to offer my assistance and expertise to others on the team. By actively participating in discussions and brainstorming sessions, I collaborated with my teammates to understand the problems they were facing and collectively came up with potential solutions.

## **Assessment of teammate [Eloise Grant - 103947870]**

### **Contributing to the Team's Work**

Eloise made a significant High impact on the team's work. She consistently displayed a strong dedication to our shared objectives by completing assigned tasks promptly and proficiently. Her work consistently met high standards, demonstrating her unwavering commitment and greatly enhancing our team's achievements.

### **Interacting with Teammates**

I would evaluate Eloise's team interactions as exceptionally High. Her communication style consistently reflected openness, respect, and positivity, making a significant contribution to fostering a supportive and collaborative team environment. She consistently demonstrated active listening and a genuine appreciation for others' ideas, effectively promoting effective communication and teamwork within our group.

### **Keeping the Team on Track**

In terms of keeping the team on track, I would also give Eloise a High rating. Her dedication and consistent performance played a key role in ensuring that we stayed on schedule. She was always mindful of deadlines and made considerable efforts to meet them, thereby making a positive impact on our overall progress and efficiency.

### **Expecting Quality**

Regarding the expectation of quality, I would evaluate Eloise as having a high rating. She consistently delivered work of exceptional quality and also motivated the team to maintain a high standard of output. Her personal commitment to excellence served as a positive example and played a crucial role in fostering a culture of quality within our team.

### **Having related knowledge, skills and abilities**

Regarding related knowledge, skills, and abilities, I would give Eloise a high rating. She demonstrated a strong grasp of the essential technical skills needed for our project and effectively applied them to her tasks. Additionally, she exhibited a willingness to learn and adapt when confronted with new challenges, showcasing her commitment to personal growth and her valuable contribution to the team's accomplishments.

Overall, Eloise proved to be an indispensable member of our team. Her diligent work, expertise, and collaborative mindset played a crucial role in the project's success.

## **Assessment of teammate [Tran Duc Anh Dang - 103995439 ]**

### **Contributing to the Team's Work**

Eloise made a significant High impact on the team's work. She consistently displayed a strong dedication to our shared objectives by completing assigned tasks promptly and proficiently. Her work consistently met high standards, demonstrating her unwavering commitment and greatly enhancing our team's achievements.

### **Interacting with Teammates**

I would assess Anh's team interactions as exceptionally High. His communication style consistently reflected openness, respect, and positivity, making a significant contribution to fostering a supportive and collaborative team environment. He consistently demonstrated active listening and a genuine appreciation for others' ideas, effectively promoting effective communication and teamwork within our group.

### **Keeping the Team on Track**

In terms of keeping the team on track, I would also give Anh a High rating. His dedication and consistent performance played a crucial role in ensuring that we stayed on schedule. He was always mindful of deadlines and made significant efforts to meet them, thereby making a positive impact on our overall progress and efficiency.

### **Expecting Quality**

When it comes to the expectation of quality, I would rate Anh as High. He consistently delivered work of excellent quality and also motivated the team to uphold a high standard of output. His personal dedication to excellence served as a positive influence and played a significant role in fostering a culture of quality within our team.

### **Having related knowledge, skills and abilities**

In terms of related knowledge, skills, and abilities, I would rate Anh as high. He displayed a solid understanding of the required technical skills for our project and efficiently applied them to his tasks. Furthermore, he demonstrated a willingness to learn and adapt when faced with new challenges, highlighting his commitment to personal growth and his contribution to the team's success.

Overall, Anh was an invaluable member of our team. His hard work, expertise, and team-oriented attitude significantly contributed to the success of our project.