



NoSQL REFLECTION ACTIVITY

Through out the weeks of building and creating the system, our project (Registrar Student Management Systems for Computer Studies Department of Bicol University-Polangui) has encountered various components that fits in NoSQL that might benefit our current project. Identifying these various components leds our project to be more efficient for both the users and the administrator.

For an example, we have the STUDENT TABLE QUERY; where in it students personal datas' been gathered throughout the list. It specifiies the personal data of the students, including their name, date of birth, email, contact number, and their personal addresses. Having a large collection of student data highlights the need for a system that can handle scalability and flexibility, this is where NoSQL becomes beneficial. With its schema-less design, NoSQL allows us to easily store and update student information without modifying a rigid structure. It also improves performance in retrieving data, as all related student details can be stored in a single document. This makes the system more efficient for both administrators and users, especially as the dataset grows.

In conclusion, integrating NoSQL into our student management system enhances its adaptability, performance, and readiness for future expansion. By leveraging these advantages, our project not only ensures data integrity and accessibility but also positions itself as a scalable and future-ready solution for the Computer Studies Department of Bicol University - Polangui.