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A. Why did you choose these databases?

1. Why MongoDB?

At the moment we have the requirements on our hands, we can see that MongoDB have a lot of benefits such as a free cluster, the capacity to use into the IDE that help us better to program call Visual Studio Code, the option for uses this in the cloud and the team of work can make concurrency using this at the same time, the flexibility to save the information relate media files like the datasets, comments, information and the users. Learning more of how we can use this database was so helpful because it's so used now, the queries, documentation relate, comfort to fit with the other three databases and the front End.

2. Why Neo4j?

As a database of graphs, it helped us a lot to establish the relationships that, when doing the analysis of the problem, we found more useful for the system. The relationships established in the database between nodes also help us in efficiency, time and make the most of the relationships found in the requirements. Also, it was easier for us to adapt to this database because it was easier to use and efficient.

3. Why MySQL?

It is a non-relational database, which allows us to efficiently manage the information for which we use it in the comments section, because the option we found on the web helped us a lot to better understand the operation of the data that was going to store. The administration of the data from MySQL was very helpful to understand well what, when, how and where to implement it so that our system was robust, efficient and with several databases working simultaneously.

4. Why Redis?

Redis is a key-value database, therefore it served us well for its simplicity, performance and high level of availability, valuable characteristics that we needed in our project to present a high-quality product. Implementing it made it much easier for us to understand its flexible data structures and to be able to handle the scalability of the data we use it on.