Based on the situation given, I extracted the criteria necessary to present critique the database options against and ranked them according to their importance for the initial phase of the project. To make a final decision on which database to go with, I multiplied the rating for each database to the criteria ranking.

A screenshot of a computer

Description automatically generated

As seen from the table above, the optimal database to go with for the initial phase of the project is SQLite. It is known for its cost-effectiveness because of being an open-source solution, its Python compatibility and cross-platform support. It is also known to require minimal setup requirements, Additionally, it does not require special network access and can be easily replaced as needed, especially when moving away from the feasibility phase of the project and on to the next phase.