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| --- | --- | --- | --- | --- | --- | --- | --- |
| Features  Rank 1 - 5 | MS-SQL  Rate 0 - 5 | Oracle  Rate 0 - 5 | SQLite  Rate 0 - 5 | MySQL (or MariaDB)  Rate 0 – 5 | PostgreSQL Rate 0 – 5 | Microsoft Access Rate 0 - 5 | LibreOffice Base Rate 0 - 5 |
| Easy to set-up (3) | 3 \* 3 = 9 | 2 \* 3 = 6 | 5 \* 3 = 15 | 5 \* 3 = 15 | 4 \* 3 = 12 | 4 \* 3 = 12 | 1 \* 3 = 3 |
| Cross-platform compatibility (4) | 1 \* 4 = 4 | 3 \* 4 = 12 | 5 \* 4 = 20 | 5 \* 4 = 20 | 4 \* 4 = 16 | 2 \* 4 = 8 | 2 \* 4 = 8 |
| Performance (2) | 5 \* 2 = 10 | 5 \* 2 = 10 | 3 \* 2 = 6 | 4 \* 2 = 8 | 4 \* 2 = 8 | 2 \* 2 = 4 | 1 \* 2 = 2 |
| Easy to back-up (1) | 3 \* 1 = 3 | 2 \* 1 = 2 | 5 \* 1 = 5 | 4 \* 1 = 4 | 3 \* 1 = 3 | 2 \* 1 = 2 | 2 \* 1 = 2 |
| Cost (5) | 2 \* 5 = 10 | 1 \* 5 = 5 | 5 \* 5 = 25 | 4 \* 5 = 20 | 4 \* 5 = 20 | 3 \* 5 = 15 | 5 \* 5 = 25 |
| Python compatibility (4) | 3 \* 4 = 12 | 2 \* 4 = 8 | 5 \* 4 = 20 | 5 \* 4 = 20 | 4 \* 4 = 16 | 1 \* 4 = 4 | 1 \* 4 = 4 |
| Total 🡪 | 48 | 43 | 91 | 87 | 75 | 45 | 44 |

Based on the different criteria provided, **SQLite** is the best choice to be used for the project due to its cost-effectiveness, cross-platform compatibility and Python compatibility which are the primary features needed by the project. While the other databases are more suitable in the other criteria like MS-SQL and Oracle for their performance, SQLite is still the excellent choice if cost, Python compatibility and cross-platform compatibility is prioritized.