Topic challenge 6D assignment

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| Features  Rank (0-5) | MSSQL  Rank (0-5) | Oracle  Rank (0-5) | SQLite  Rank (0-5) | MariaDB Rank (0-5) | PostgreSQL  Rank (0-5) | Microsoft Access  Rank (0-5) | LibreOffice Base  Rank (0-5) |
| Feasibility (5) | 2 \* 5 = 10 | 2 \* 5 = 10 | 5 \* 5 = 25 | 4 \* 5 = 20 | 3 \* 5 = 15 | 4 \* 5 = 20 | 4 \* 5 = 20 |
| Performance (4) | 3 \* 4 = 12 | 3 \* 4 = 12 | 4 \* 4 = 16 | 4 \* 4 = 16 | 4 \* 4 = 16 | 3 \* 4 = 12 | 3 \* 54= 12 |
| Cross Platform Compatibility (5) | 1 \* 5 = 5 | 2 \* 5 = 10 | 5 \* 5 = 25 | 5 \* 5 = 25 | 4 \* 5 = 20 | 1 \* 5 = 5 | 5 \* 5 = 25 |
| Single User Access (5) | 3 \* 5 = 15 | 3 \* 5 = 15 | 5 \* 5 = 25 | 4 \* 5 = 20 | 4 \* 5 = 20 | 5 \* 5 = 25 | 4 \* 5 = 20 |
| Easy Backup (5) | 2 \* 5 = 10 | 2 \* 5 = 10 | 5 \* 5 = 25 | 4 \* 5 = 20 | 3 \* 5 = 15 | 4 \* 5 = 20 | 3 \* 5 = 15 |
| Low Cost (5) | 1 \* 5 = 5 | 1 \* 5 = 5 | 5 \* 5 = 25 | 4 \* 5 = 20 | 4 \* 5 = 20 | 3 \* 5 = 15 | 5 \* 5 = 25 |
| Compatibility with Python (5) | 3 \* 5 = 15 | 3 \* 5 = 15 | 5 \* 5 = 25 | 4 \* 5 = 20 | 4 \* 5 = 25 | 2 \* 5 = 5 | 3 \* 5 = 15 |
| Total -> | 72 | 82 | 166 | 141 | 131 | 102 | 132 |

Conclusion:

The database that seems to work the best for this phase of the project is SQLite, given its high scores across all criteria, especially in terms of simplicity, performance, cross-platform compatibility, single-user access, ease of backup, cost-effectiveness, and compatibility with Python.