Database Criteria:

The criterias that were used to compare all the provided databases:

* Fast to set up
* Cross-platform
* No special network access
* Single user access
* Easy backup
* Portable
* Cost
* Python

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Features  Rank 1-5 | MSSQL | Oracle | SQLite | MySQL MariaDb | PostgreSQL | Ms-Access | LibreOffice Base |
| Fast to set up (5) | 5\*3=15 | 5\*3=15 | 5\*5=25 | 5\*4=20 | 5\*3=15 | 5\*5=25 | 5\*5=25 |
| Cross-platform (5) | 5\*3=15 | 5\*5=25 | 5\*5=25 | 5\*4=20 | 5\*5=25 | 5\*2=10 | 5\*2=10 |
| Networkable (1) | 1\*4=4 | 1\*5=5 | 1\*1=1 | 1\*5=5 | 1\*5=5 | 1\*3=3 | 1\*3=3 |
| Concurrency (1) | 1\*4=4 | 1\*5=5 | 1\*1=1 | 1\*4=4 | 1\*5=5 | 1\*5=5 | 1\*3=3 |
| Easy Backup (4) | 4\*3=12 | 4\*4=16 | 4\*5=20 | 4\*3=12 | 4\*4=16 | 4\*4=16 | 4\*4=16 |
| Portable(4) | 4\*3=12 | 4\*4=16 | 4\*5=20 | 4\*2=8 | 4\*2=8 | 4\*4=16 | 4\*3=12 |
| Cost-effective(5) | 5\*1=5 | 5\*1=5 | 5\*5=25 | 5\*5=25 | 5\*5=25 | 5\*3=15 | 5\*5=25 |
| Python-compatible (5) | 5\*4=20 | 5\*3=15 | 5\*5=25 | 5\*4=20 | 5\*5=25 | 5\*3=15 | 5\*3=15 |
| Total | 108 | 116 | 177 | 135 | 141 | 133 | 137 |

As far as I think, SQLite would be the fastest, cost-effective and easy to port to other platforms considering all the criterias.