No ACID -which DB will be good

If you are looking for a database that doesn't focus on **ACID** (Atomicity, Consistency, Isolation, Durability) guarantees, here are several **NoSQL databases** that trade strict consistency for **high scalability, performance, and flexibility**. The best choice depends on your specific use case:

**Why ACID is not a Priority for MongoDB**

1. **Distributed and NoSQL Nature:**  
   Traditional relational databases (RDBMS) that are ACID-compliant are typically harder to scale horizontally. MongoDB, being a NoSQL database, was designed for **horizontal scaling** (sharding).
2. **High Availability vs. Consistency:**  
   MongoDB aligns more with the **BASE model (Basically Available, Soft-state, Eventually consistent)**, which favors availability over consistency in distributed environments. This fits better with modern web-scale applications.
3. **Flexible Data Model:**  
   MongoDB supports a **schema-less design**, making it suitable for handling unstructured data. Strict ACID compliance can hinder performance and scalability, which are essential for NoSQL databases.

**ACID Compliance in Recent Versions**

Starting from MongoDB 4.0, **multi-document ACID transactions** were introduced, reducing some concerns about MongoDB not following ACID principles. This improvement made MongoDB more appealing for applications requiring transactional guarantees (e.g., financial applications), though these transactions are still less efficient than RDBMS equivalents.

**Conclusion**

MongoDB does not fully embrace ACID in the same way as relational databases because its original goal was to provide **scalability and performance for distributed systems**. However, with newer versions, MongoDB has made significant strides toward supporting ACID properties when necessary, balancing between **performance and transactional safety**.