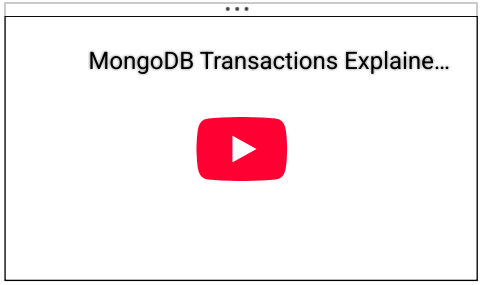
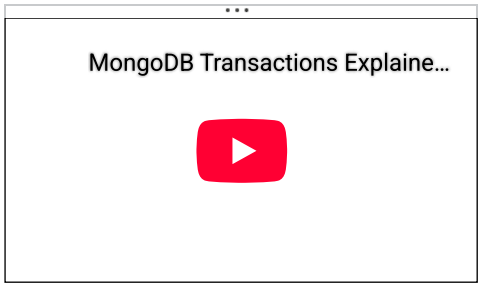
Additional Resources

Tuesday, October 28, 2025 2:14 AM

1. Good to read documents on transactions, sharding
   a. https://www.mongodb.com/company/blog/building-with-patterns-a-summary
   b. https://www.mongodb.com/company/blog/building-with-patterns-the-computed-pattern
   c. https://www.compilenrun.com/docs/database/mongodb/mongodb-transactions/mongodb-transactions-introduction/?utm_source=chatgpt.com
   d. https://restheart.org/docs/mongodb-rest/transactions?utm_source=chatgpt.com
   e. https://www.w3computing.com/articles/transactional-consistency-mongodb/?utm_source=chatgpt.com
   f. https://www.queryleaf.com/blog/
   g. https://www.mongodb.com/community/forums/t/decide-when-to-use-sharding/208374
   h. https://www.percona.com/blog/when-should-i-enable-mongodb-sharding/
2. You-tube tutorials
   a. MongoDB Transactions Explained: Best Practices and Examples
   b. 

   c. MongoDB Transactions Explained: Best Practices and Examples || PT-2
   d. 

Chat GPT prompts

Prompt:

Create a professional, clear comparison diagram showing MongoDB transactions vs Spring + ShedLock concurrency model.

Left side (MongoDB):

- Show multiple user requests entering MongoDB session.
- Include single-document atomic updates and multi-document transactions.
- Indicate concurrent requests handled with optimistic concurrency or a lock collection.
- Use arrows and labeled boxes to illustrate flow.

Right side (Spring + ShedLock):

- Show multiple app instances calling @Transactional methods.
- Indicate row-level locks in the database.
- Include ShedLock table ensuring only one instance executes a scheduled job at a time.
- Use arrows and labeled boxes to illustrate flow.

Design notes:

- Use different colors for MongoDB vs Spring components for clarity.
- Make the diagram clean, professional, and easy to understand."