To make this solution production ready I will follow below points :

1. Solution made on in-memory cache. So first of all ready the DB structure to replace the in-memory cache (ConcurrentHashMap).
2. If required prepare entity data model for ORM, use JPA with Hibernate.
3. Enable JTA transaction management with the help of Spring annotation.
4. Configure the JPA with Hibernate in this project. (Easy option available through application.xml)
5. Replace repository layer with JPA repository with transaction management (DAO operation @Transactional).
6. Transaction management handle most of the things regarding transactional guaranty (ACID property), but if needed then make additional rollback logic.
7. Now logging, it is very important point to handle production issue. I have already added slaf4j library. But it needs detail configuration like log rollover logic, log file size, naming configuration etc. I have no knowledge on lombok framework so, unable to explain on that.
8. Regarding testing, Integration testings are already there but need to add Unit test case using Mokito framework.
9. Regarding maven build configuration, need to add proper build script if required profile to make this solution production ready.