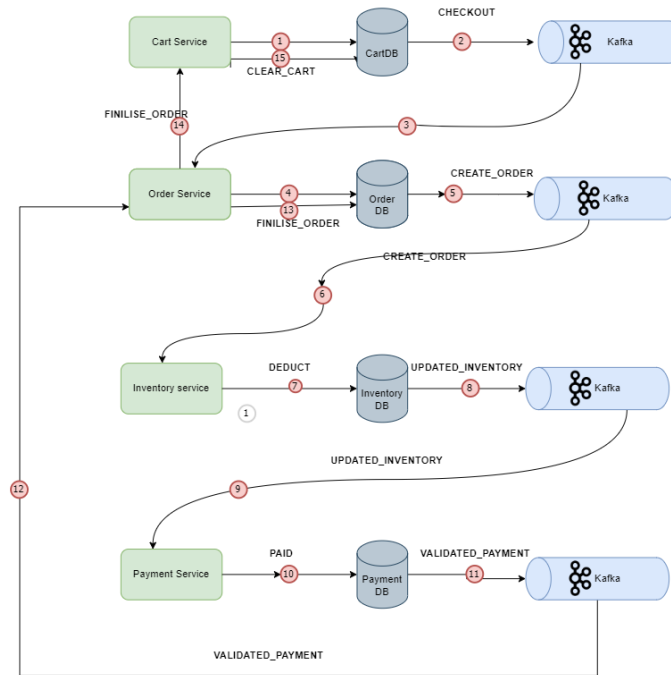
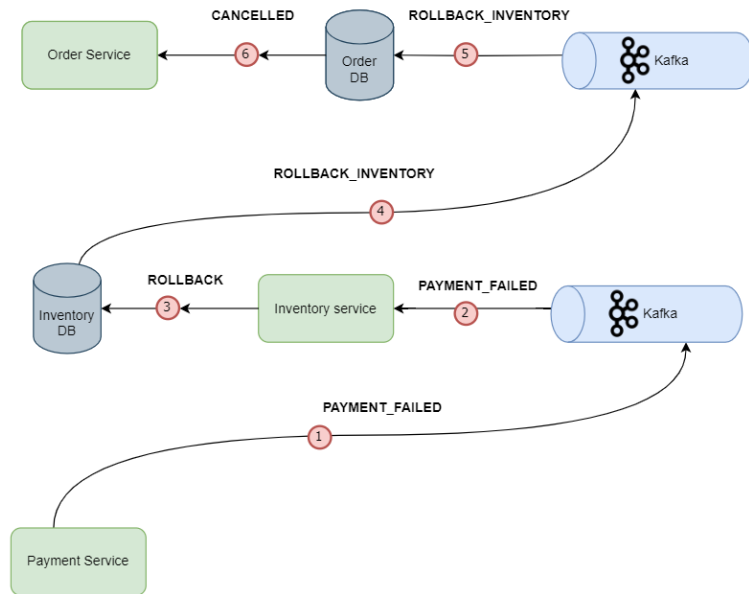


Saga Pattern :

Success flow :



Rollback :



Assumptions :

- We will have local transaction for two phased commit to maintain inventory status.
- For removing two PC , we can maintain a cache that will hold inventory for shorter period of time with TTL , will expire after given time and update the inventory.
- We have aggregated event store that will hold event lifecycle. We can get event details by querying this DB.
- The event will have acknowledgement flow to mark completion of processing. If acknowledgement does not come after given time a worker node will get those events and replay it or send an alert for its resolution.