1. <https://youtu.be/S4FnmSeRpAY?t=698>
2. Solution to Distributed Transaction Problems?
3. **Answer**: 2PC(Two Phases Commit) called SAGA.
   1. **2PC**: It has two phases.
      1. Prepare.
      2. Commit.
   2. **Co-Ordinator**:
      1. This maybe an independent ms or can be represented into already existing service.
   3. Terms: Layered Transaction Commit (One Shot).
4. **Procedure**: When a request comes to the system, let’s see what happens in the form of sequence diagram.
   1. A trx ID is created by Co-Ordinator which will be shared among other microservices as reference.
5. d

Saga Design Pattern | Microservices Architecture Patterns

1. <https://www.youtube.com/watch?v=Z6y_b-zbM7c>
2. **Services**:
   1. UI Service.
   2. Payment Service.
   3. Feedback Service: If the purchase of a stack is successful or not.
3. Terms:
   1. **SAGA**: A sequence of transactions.
   2. **SAGA Design Pattern**:
   3. **Local Transaction**:
   4. SAGA **Implementation**
      1. Event Based Approach: Choreography Based Approach.
         1. Generate, listen to event and perform action.
      2. Orchestration Based Approach: Command Based Approach.