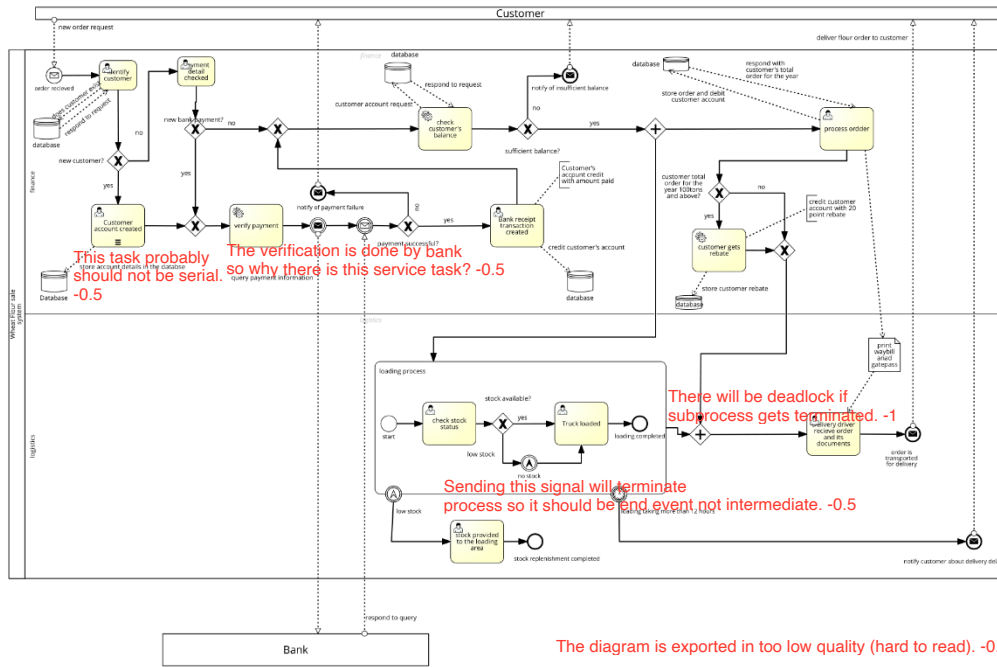


MODELLING OF A FLOUR ORDER SYSTEM

1. Customer sends in order.
2. An Account officer uses the customer code to identify customer details in the system. If there is no code, a new customer is created.
3. For existing customers, the account officer checks payment details for any new bank payments, while new customers always make bank payments. The system then verifies the payment transaction with the bank. If the payment is successful, the account officer raises a bank receipt transaction and credits the customer's account. If not, the system sends a message to notify the customer about the failed bank payment. Hence, the transaction is discontinued.
4. The system checks the customer's account balance to ensure it has sufficient balance for the order. If so, the account officer processes the order and checks if the order is above 1000 tons. If it is, the customer receives a 20-point rebate. If the customer does not have enough funds, the system notifies the customer about insufficient balance to complete the order. The transaction is terminated.
5. At the loading area, the Logistics officer updates the stock status, if stock is sufficient, the customer order is loaded into the truck else store keeper receives signal ,then provide sufficient stock for the order.
6. If loading takes more than 12 hours, system send a message to customers that there would be delay in the delivery.
7. The driver receives the necessary documentation for delivery.
8. The flour is delivered to the customer

Flour Sales process (Copy1)



This task probably should not be serial -0.5
 The verification is done by bank so why there is this service task? -0.5

There will be deadlock if subprocess gets terminated. -1

Sending this signal will terminate process so it should be end event not intermediate. -0.5

The diagram is exported in too low quality (hard to read). -0.5

Result: 9