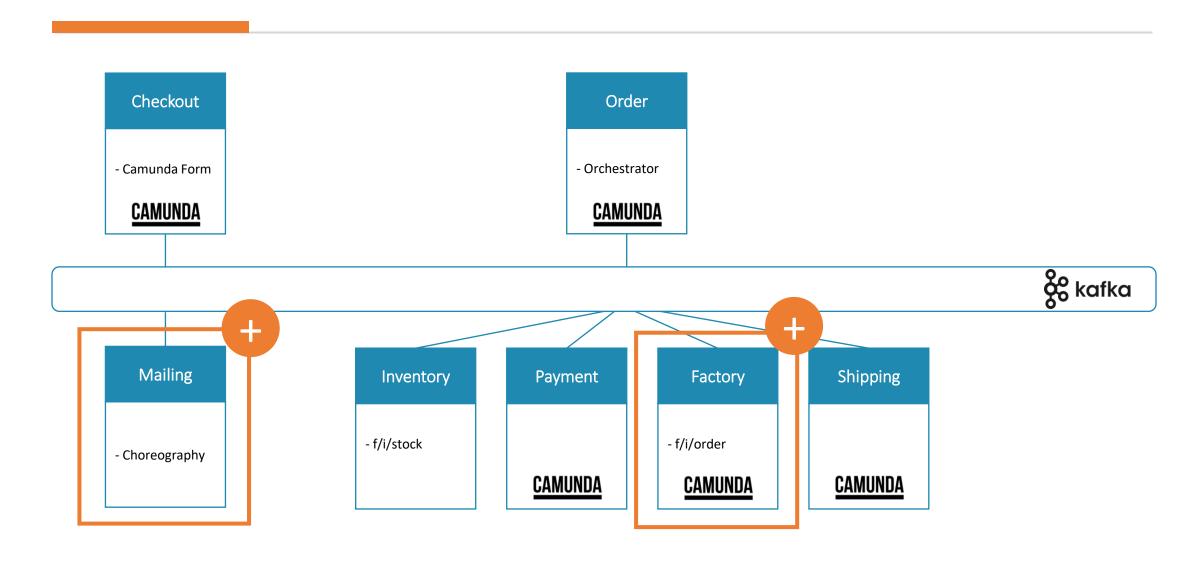


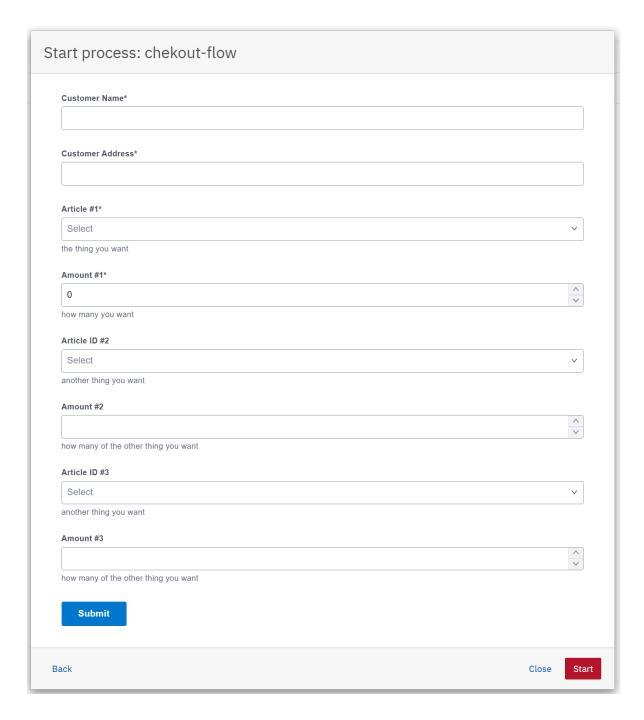
EDPO-Group 4 Assignment 1

Yasmin Lützelschwab Stefan Meier 18.04.2024

General Project Description



Camunda Form to initiate the Checkout process





Checkout Service

→ Order Service is choreography

Orchestration vs.
Choreography



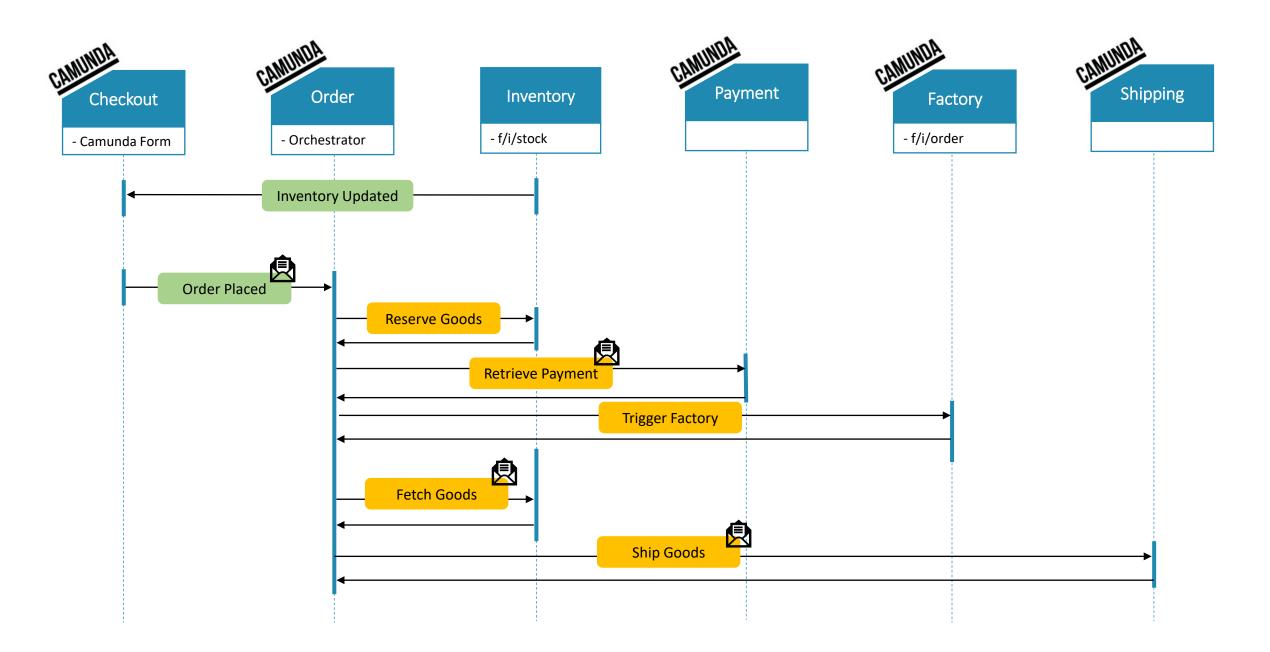
Once Order placed

→ Orchestrated by Order-Service



Any Service

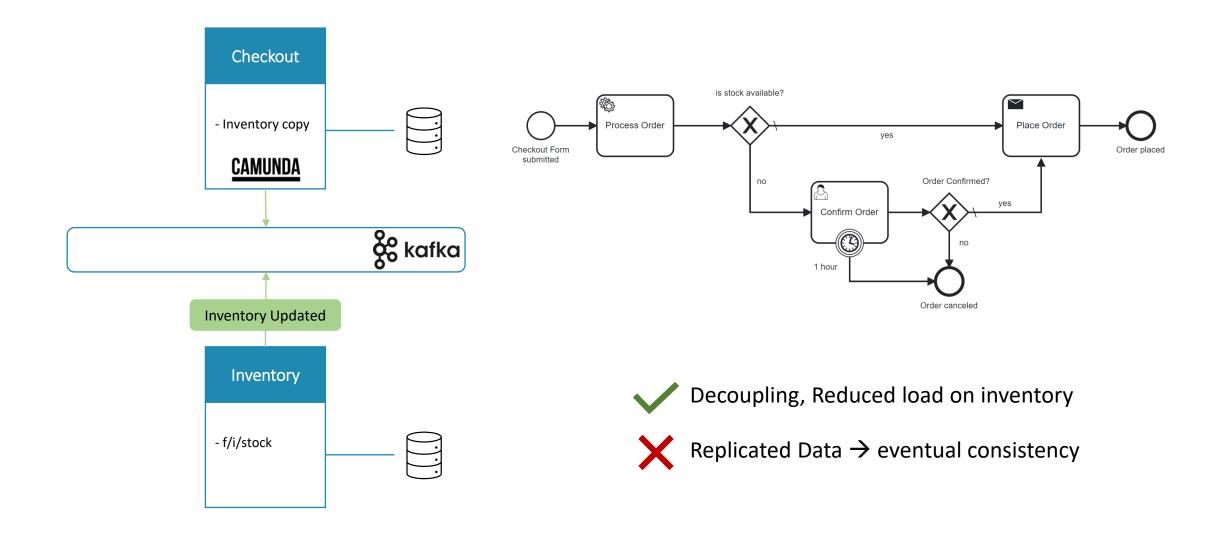
→ Mailing Service is choreography



Parallel Saga

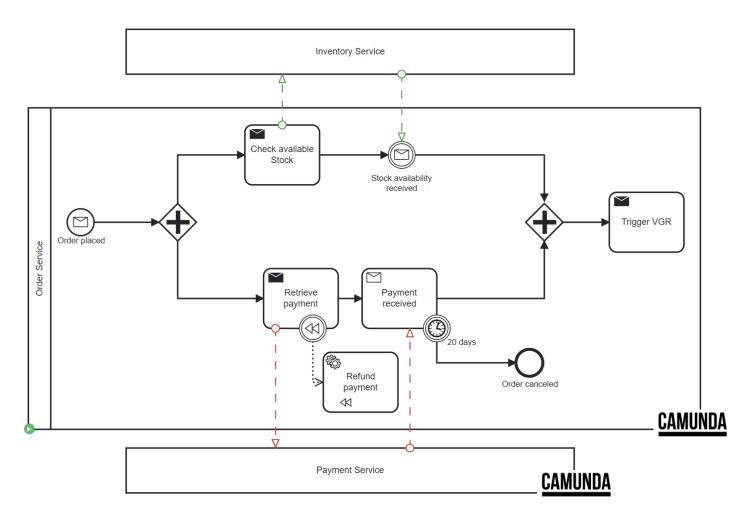
Synchronous Asynchronous Communication Eventual **Atomic** Consistency Orchestration Choreography Coordination

Event-carried State Transfer

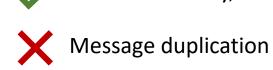


Event: OrderPlacedEvent (from Checkout) Command: RetrievePaymentCommand (from Order-Camunda) Event: CheckAvailableStockEvent (from Order-Camunda) Event: CustomerCreditUsedEvent (from Payment-Camunda) Event: PaymentReceivedEvent (from Payment-Camunda) Event: GoodsAvailableEvent (from Inventory) Event: GoodsAvailableEvent (from Inventory)

Event: GoodsAvailableEvent (from Inventory)







Event flow

Event: OrderPlacedEvent (from Checkout)

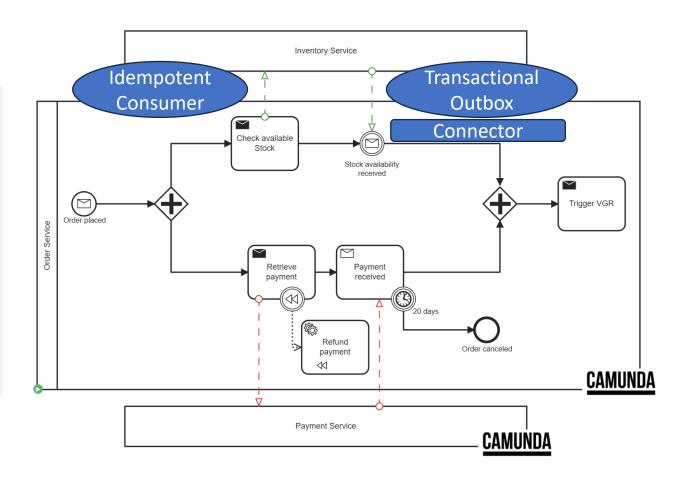
Command: RetrievePaymentCommand (from Order-Camunda)

Event: CheckAvailableStockEvent (from Order-Camunda)

Event: CustomerCreditUsedEvent (from Payment-Camunda)

Event: PaymentReceivedEvent (from Payment-Camunda)

Event: GoodsAvailableEvent (from Inventory)



Received CheckAvailableStockEvent

MessageListener: Check if stock available

Added to outbox: Message [type=GoodsAvailableEvent, Outbox Poller: Successfully sent message from outbox

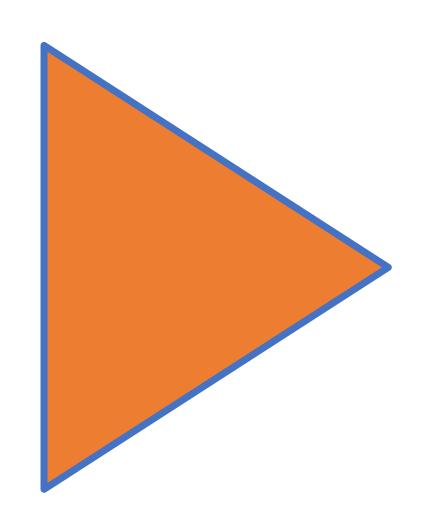
Received CheckAvailableStockEvent

Duplicate CheckAvailableStockEvent detected for refld:., skipping processing.



Message duplication
Inventory does not use Camunda

DEMO



Q & A

