BPMN diagram

2026-11-19 · `examples/types/bpmn.json`

3 views · 36 cards · 35 lines

Contents

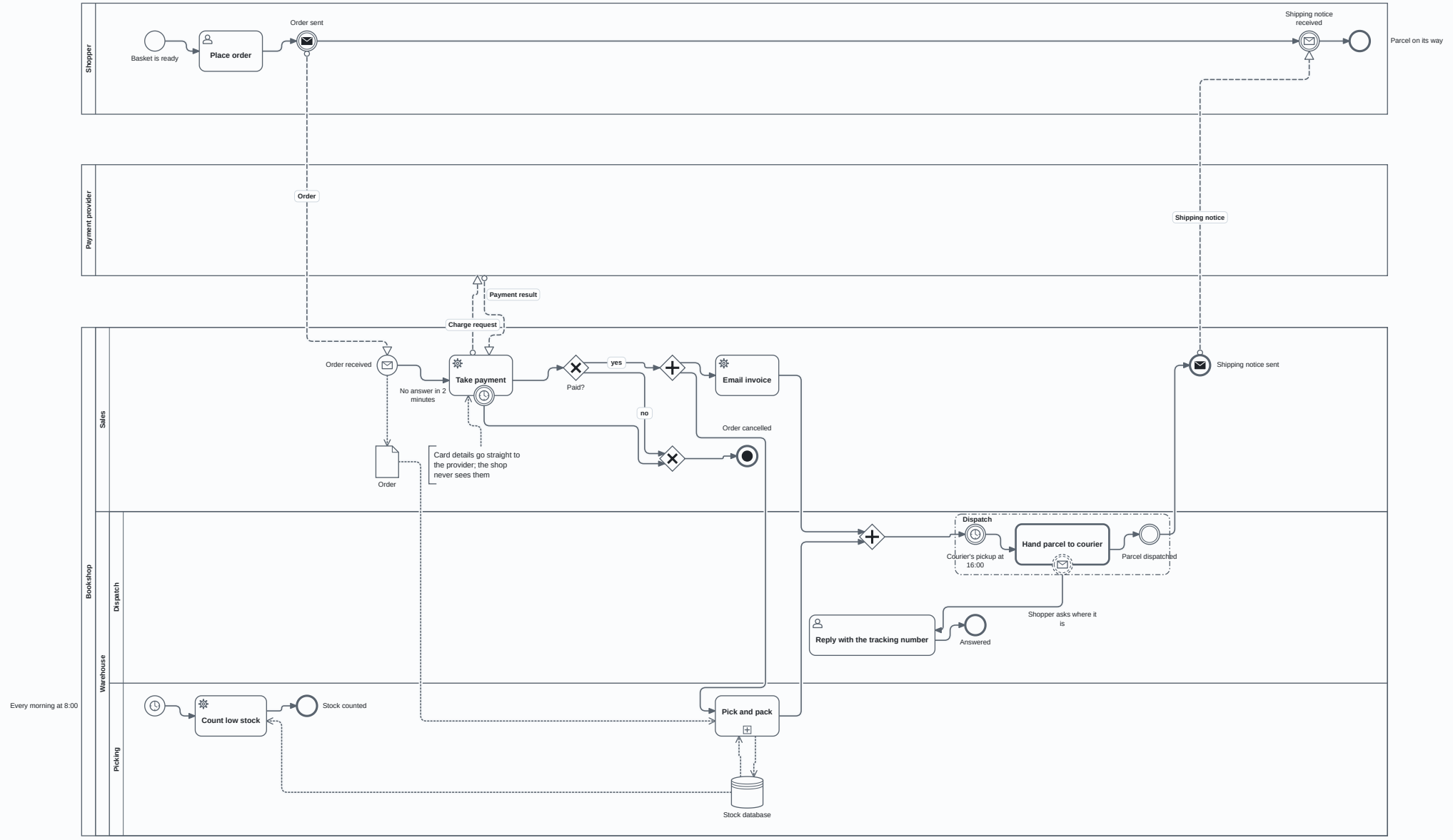
A bookshop order, from basket to shipment 2

Pick and pack, the collapsed sub-process opened 5

The same process, Pick and pack expanded 6

A bookshop order, from basket to shipment

32 cards · 32 lines



Legend → **Sequence flow** the order of steps in one pool ⇢ **Message flow** a message between pools ····· **Association** a note or link to an element ····> **Data association** data read or written

A bookshop order, from basket to shipment (continued)

Elements 32

Card	Kind	Members
Shopper	Pool	
Basket is ready	Start event	in Shopper
Place order	User task	in Shopper
Order sent	Message intermediate throw event	in Shopper
Shipping notice received	Message intermediate catch event	in Shopper
Parcel on its way	End event	in Shopper
Payment provider	Pool	
Bookshop	Pool	Sales Warehouse Dispatch Picking
Order received	Message start event	in Sales
Take payment	Service task	in Sales
No answer in 2 minutes	Timer boundary event	on Take payment
Paid?	Exclusive gateway	in Sales
Exclusive gateway	Exclusive gateway	in Sales
Order cancelled	Terminate end event	in Sales
Parallel gateway	Parallel gateway	in Sales
Email invoice	Service task	in Sales Sent to the address the order gives.
Pick and pack	Sub-process (collapsed)	in Picking
Parallel gateway	Parallel gateway	in Dispatch
Courier's pickup at 16:00	Timer intermediate catch event	in Dispatch

Elements 32 (continued)

Card	Kind	Members
Hand parcel to courier	Call activity	in Dispatch
Shopper asks where it is	Message boundary event (non-interrupting)	on Hand parcel to courier
Reply with the tracking number	User task	in Dispatch
Answered	End event	in Dispatch
Parcel dispatched	Intermediate throw event	in Dispatch
Shipping notice sent	Message end event	in Sales
Every morning at 8:00	Timer start event	in Picking
Count low stock	Service task	in Picking
Stock counted	End event	in Picking
Order	Data object	in Sales
Stock database	Data store	in Picking
Card details go straight to the provider; the shop never sees them	Text annotation	in Sales
Dispatch	Group	

Lines 32

From → to	Label	Kind
Order sent → Shipping notice received		Sequence flow
Basket is ready → Place order		Sequence flow
Order received → Take payment		Sequence flow
Take payment → Paid?		Sequence flow
Paid? → Parallel gateway	yes	Sequence flow
Paid? → Exclusive gateway	no	Sequence flow
No answer in 2 minutes → Exclusive gateway		Sequence flow

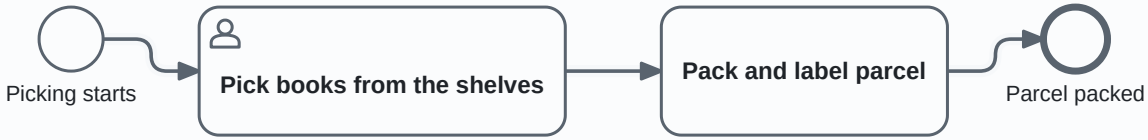
A bookshop order, from basket to shipment (continued)

Lines 32 (continued)

From → to	Label	Kind
Exclusive gateway → Order cancelled		Sequence flow
Parallel gateway → Pick and pack		Sequence flow
Parallel gateway → Email invoice		Sequence flow
Pick and pack → Parallel gateway		Sequence flow
Email invoice → Parallel gateway		Sequence flow
Parallel gateway → Courier's pickup at 16:00		Sequence flow
Courier's pickup at 16:00 → Hand parcel to courier		Sequence flow
Order sent → Order received	Order	Message flow
Take payment → Payment provider	Charge request	Message flow
Payment provider → Take payment	Payment result	Message flow
Order received → Order		Data association
Order → Pick and pack		Data association
Stock database → Pick and pack		Data association
Pick and pack → Stock database		Data association
Place order → Order sent		Sequence flow
Shipping notice received → Parcel on its way		Sequence flow
Hand parcel to courier → Parcel dispatched		Sequence flow
Parcel dispatched → Shipping notice sent		Sequence flow
Shopper asks where it is → Reply with the tracking number		Sequence flow
Reply with the tracking number → Answered		Sequence flow
Every morning at 8:00 → Count low stock		Sequence flow
Count low stock → Stock counted		Sequence flow

Lines 32 (continued)

From → to	Label	Kind
Shipping notice sent → Shipping notice received	Shipping notice	Message flow
Stock database → Count low stock		Data association
Card details go straight to the provider; the shop never sees them → Take payment		Association



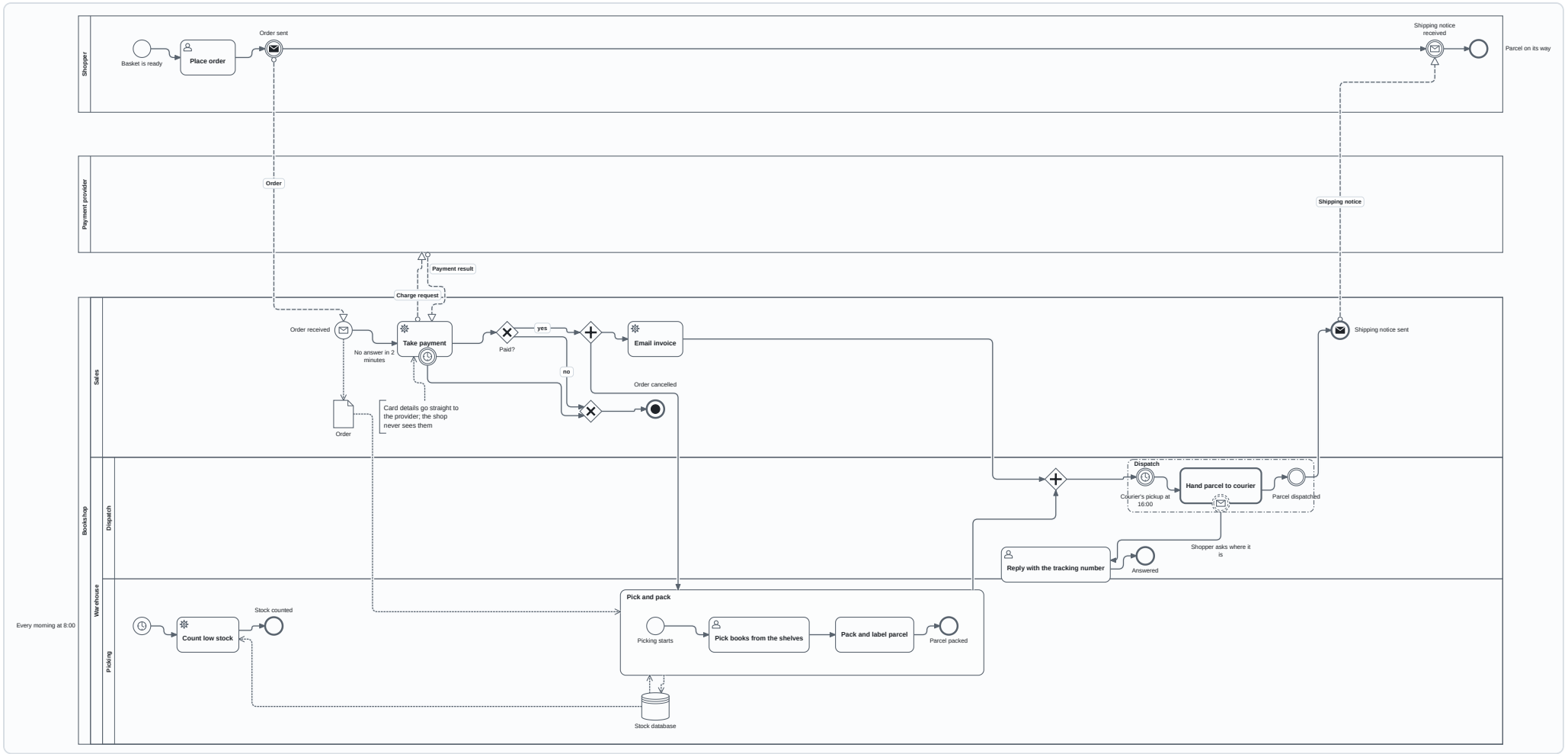
Legend → **Sequence flow** the order of steps in one pool

Elements 4

Card	Kind	Members
Picking starts	Start event	
Pick books from the shelves	User task	
Pack and label parcel	Task	
Parcel packed	End event	

Lines 3

From → to	Label	Kind
Picking starts → Pick books from the shelves		Sequence flow
Pick books from the shelves → Pack and label parcel		Sequence flow
Pack and label parcel → Parcel packed		Sequence flow



Legend **Sequence flow** the order of steps in one pool **Message flow** a message between pools **Association** a note or link to an element **Data association** data read or written

Elements 36

Card	Kind	Members
Shopper	Pool	
Basket is ready	Start event	in Shopper
Place order	User task	in Shopper

Elements 36 (continued)

Card	Kind	Members
Order sent	Message intermediate throw event	in Shopper
Shipping notice received	Message intermediate catch event	in Shopper
Parcel on its way	End event	in Shopper
Payment provider	Pool	
Bookshop	Pool	Sales Warehouse Dispatch Picking
Order received	Message start event	in Sales
Take payment	Service task	in Sales
No answer in 2 minutes	Timer boundary event	on Take payment
Paid?	Exclusive gateway	in Sales
Exclusive gateway	Exclusive gateway	in Sales
Order cancelled	Terminate end event	in Sales
Parallel gateway	Parallel gateway	in Sales
Email invoice	Service task	in Sales Sent to the address the order gives.
Pick and pack	Sub-process (collapsed)	in Picking
Parallel gateway	Parallel gateway	in Dispatch
Courier's pickup at 16:00	Timer intermediate catch event	in Dispatch
Hand parcel to courier	Call activity	in Dispatch

Elements 36 (continued)

Card	Kind	Members
Shopper asks where it is	Message boundary event (non-interrupting)	on Hand parcel to courier
Reply with the tracking number	User task	in Dispatch
Answered	End event	in Dispatch
Parcel dispatched	Intermediate throw event	in Dispatch
Shipping notice sent	Message end event	in Sales
Every morning at 8:00	Timer start event	in Picking
Count low stock	Service task	in Picking
Stock counted	End event	in Picking
Order	Data object	in Sales
Stock database	Data store	in Picking
Card details go straight to the provider; the shop never sees them	Text annotation	in Sales
Dispatch	Group	
Picking starts	Start event	in Picking
Pick books from the shelves	User task	in Picking
Pack and label parcel	Task	in Picking
Parcel packed	End event	in Picking

Lines 35

From → to	Label	Kind
Order sent → Shipping notice received		Sequence flow
Basket is ready → Place order		Sequence flow
Order received → Take payment		Sequence flow
Take payment → Paid?		Sequence flow

Lines 35 (continued)

From → to	Label	Kind
Paid? → Parallel gateway	yes	Sequence flow
Paid? → Exclusive gateway	no	Sequence flow
No answer in 2 minutes → Exclusive gateway		Sequence flow
Exclusive gateway → Order cancelled		Sequence flow
Parallel gateway → Pick and pack		Sequence flow
Parallel gateway → Email invoice		Sequence flow
Pick and pack → Parallel gateway		Sequence flow
Email invoice → Parallel gateway		Sequence flow
Parallel gateway → Courier's pickup at 16:00		Sequence flow
Courier's pickup at 16:00 → Hand parcel to courier		Sequence flow
Picking starts → Pick books from the shelves		Sequence flow
Pick books from the shelves → Pack and label parcel		Sequence flow
Pack and label parcel → Parcel packed		Sequence flow
Order sent → Order received	Order	Message flow
Take payment → Payment provider	Charge request	Message flow
Payment provider → Take payment	Payment result	Message flow
Order received → Order		Data association
Order → Pick and pack		Data association
Stock database → Pick and pack		Data association
Pick and pack → Stock database		Data association
Place order → Order sent		Sequence flow
Shipping notice received → Parcel on its way		Sequence flow

Lines 35 (continued)

From → to	Label	Kind
Hand parcel to courier → Parcel dispatched		Sequence flow
Parcel dispatched → Shipping notice sent		Sequence flow
Shopper asks where it is → Reply with the tracking number		Sequence flow
Reply with the tracking number → Answered		Sequence flow
Every morning at 8:00 → Count low stock		Sequence flow
Count low stock → Stock counted		Sequence flow
Shipping notice sent → Shipping notice received	Shipping notice	Message flow
Stock database → Count low stock		Data association
Card details go straight to the provider; the shop never sees them → Take payment		Association