State machine diagram

2026-11-19 · `examples/types/uml-state-machine.json`

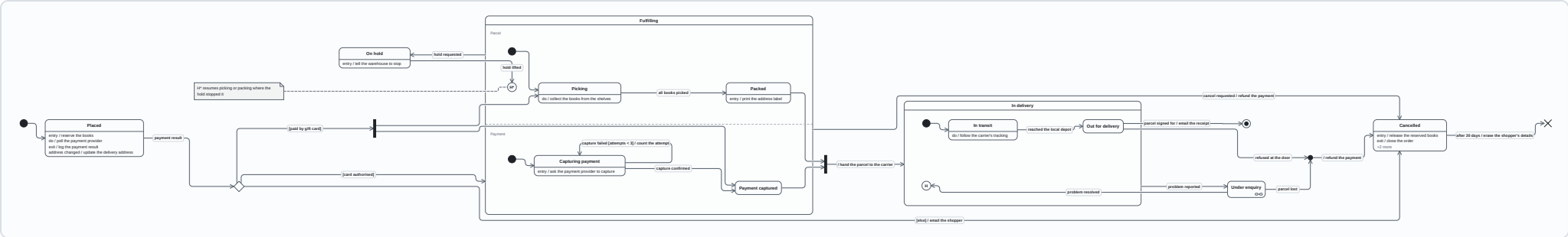
1 view · 25 cards · 28 lines

Contents

An order's life 2

An order's life

25 cards · 28 lines



Legend → **Transition** trigger [guard] / effect: from one state to the next · ---- **Comment link** what a comment is about · ● **Initial** where a region starts · ◉ **Final state** where a region ends · ◇ **Choice** one exit, by the guards · ● **Junction** transitions joined or split · ▌ **Fork or join** into or out of regions at once · Ⓗ **History** H back to the last substate, H* at any depth · ✕ **Terminate** the machine stops

Elements 25

Card	Kind	Members
Initial pseudostate	Initial pseudostate	
Placed	State	entry / reserve the books do / poll the payment provider exit / log the payment result address changed / update the delivery address
Choice	Choice	
Fork	Fork	
Fulfilling	Composite state	region Parcel region Payment
Initial pseudostate	Initial pseudostate	
Picking	State	do / collect the books from the shelves
Packed	State	entry / print the address label
Deep history	Deep history	
Initial pseudostate	Initial pseudostate	
Capturing payment	State	entry / ask the payment provider to capture
Payment captured	State	
On hold	State	entry / tell the warehouse to stop
Join	Join	

Elements 25 (continued)

Card	Kind	Members
In delivery	Composite state	
Initial pseudostate	Initial pseudostate	
In transit	State	do / follow the carrier's tracking
Out for delivery	State	entry / text the shopper a delivery window
Shallow history	Shallow history	
Under enquiry	Composite state	
Junction	Junction	
Cancelled	State	entry / release the reserved books exit / close the order refund failed / retry the refund shopper asks / resend the email
Terminate	Terminate	
Final state	Final state	
H* resumes picking or packing where the hold stopped it	Comment	

An order's life (continued)

Lines 28

From → to	Label	Kind
Initial pseudostate → Placed		Transition
Placed → Choice		Transition
Choice → Fulfilling		Transition
Choice → Fork		Transition
Choice → Cancelled		Transition
Fork → Picking		Transition
Fork → Payment captured		Transition
Initial pseudostate → Picking		Transition
Picking → Packed		Transition
Initial pseudostate → Capturing payment		Transition
Capturing payment → Capturing payment		Transition
Capturing payment → Payment captured		Transition
Fulfilling → On hold		Transition
On hold → Deep history		Transition
Packed → Join		Transition
Payment captured → Join		Transition
Join → In delivery		Transition
Initial pseudostate → In transit		Transition
In transit → Out for delivery		Transition
Out for delivery → Final state		Transition
In delivery → Under enquiry		Transition
Under enquiry → Shallow history		Transition
Out for delivery → Junction		Transition
Under enquiry → Junction		Transition
Junction → Cancelled		Transition

Lines 28 (continued)

From → to	Label	Kind
Fulfilling → Cancelled		Transition
Cancelled → Terminate		Transition
H* resumes picking or packing where the hold stopped it → Deep history		Comment link