Data flow diagram

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

3 views · 12 cards · 18 lines

Contents

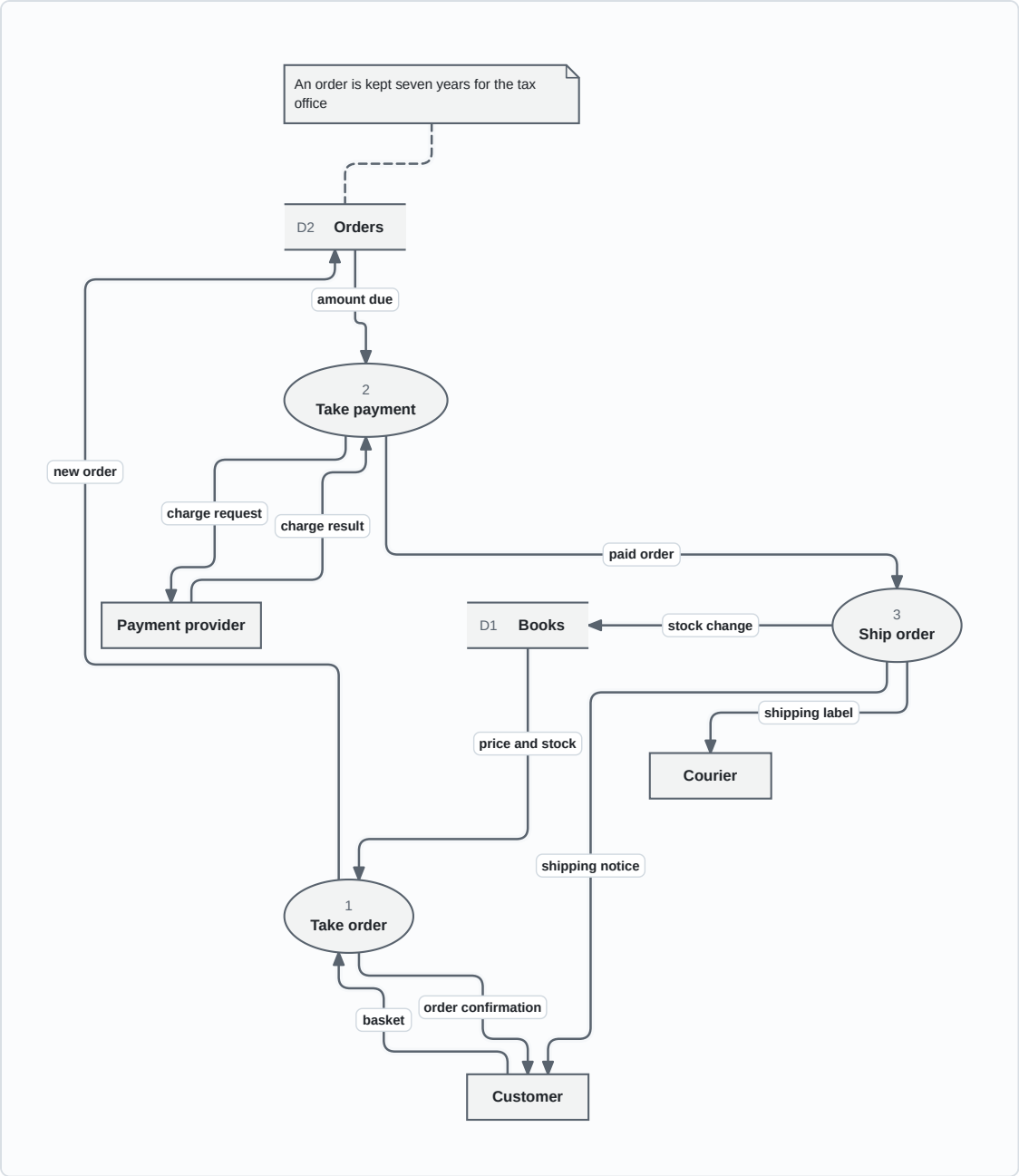
The bookshop, level 1 2

The bookshop, level 1, in Gane and Sarson 4

1 Take order, level 2 6

The bookshop, level 1

9 cards · 12 lines



Legend

- **Process** transforms the data flowing in into the data flowing out
- **Data store** holds data at rest
- **External entity** outside the system: a source or a sink of data
- **Comment** a note on the diagram
- **Data flow** data moving, named by what it carries
- **Comment link** what a comment is about

Elements 9

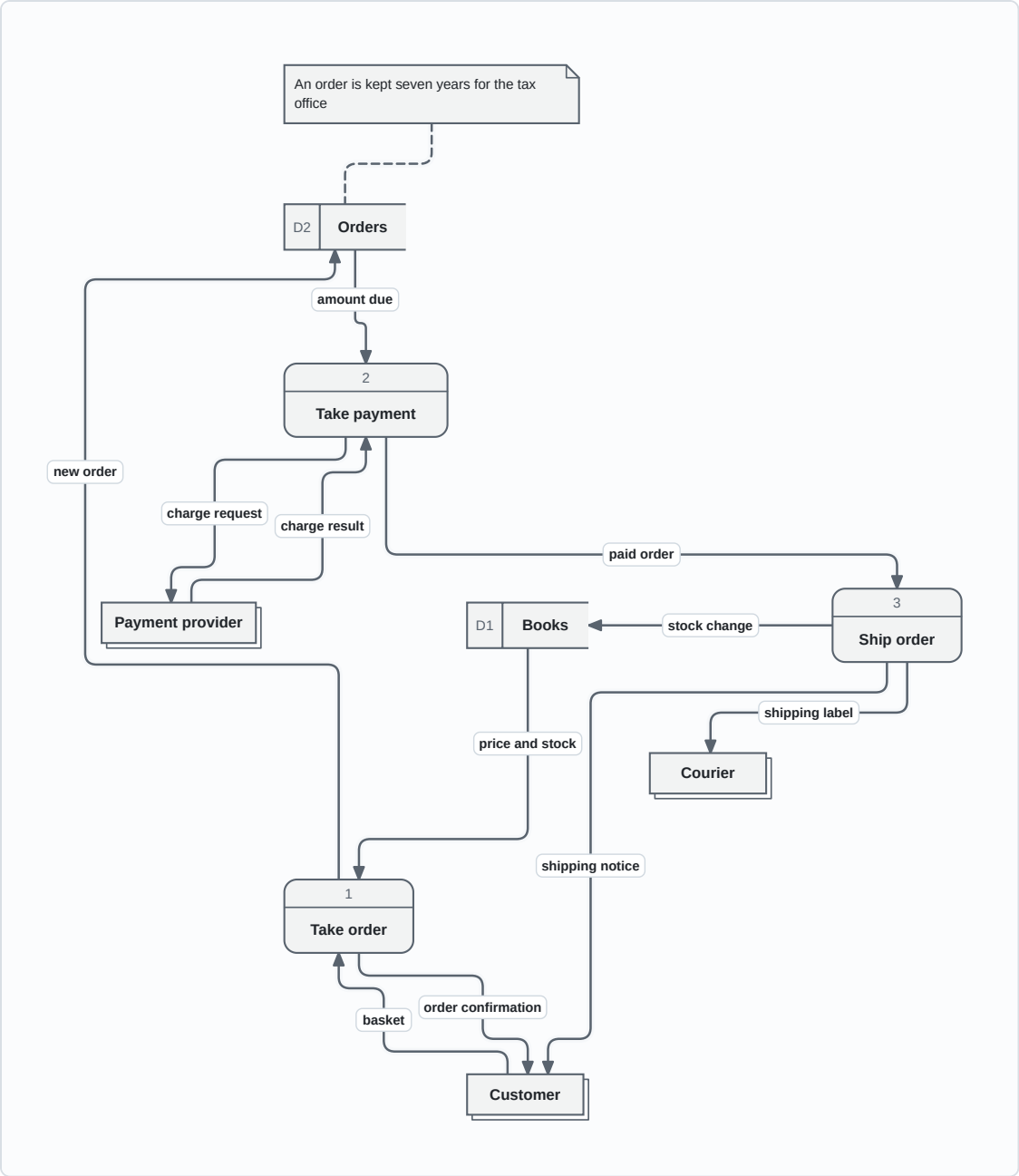
Card	Kind	Members
Customer	External entity	
Payment provider	External entity	
Courier	External entity	
Take order	Process	number 1 opens level 1 Take order, level 2
Take payment	Process	number 2
Ship order	Process	number 3
Books	Data store	number D1
Orders	Data store	number D2
An order is kept seven years for the tax office	Comment	

Lines 12

From → to	Label	Kind
Customer → Take order	basket	Data flow
Books → Take order	price and stock	Data flow
Take order → Orders	new order	Data flow
Take order → Customer	order confirmation	Data flow
Orders → Take payment	amount due	Data flow
Take payment → Payment provider	charge request	Data flow
Payment provider → Take payment	charge result	Data flow
Take payment → Ship order	paid order	Data flow

Lines 12 (continued)

From → to	Label	Kind
Ship order → Books	stock change	Data flow
Ship order → Courier	shipping label	Data flow
Ship order → Customer	shipping notice	Data flow
An order is kept seven years for the tax office → Orders		Comment link



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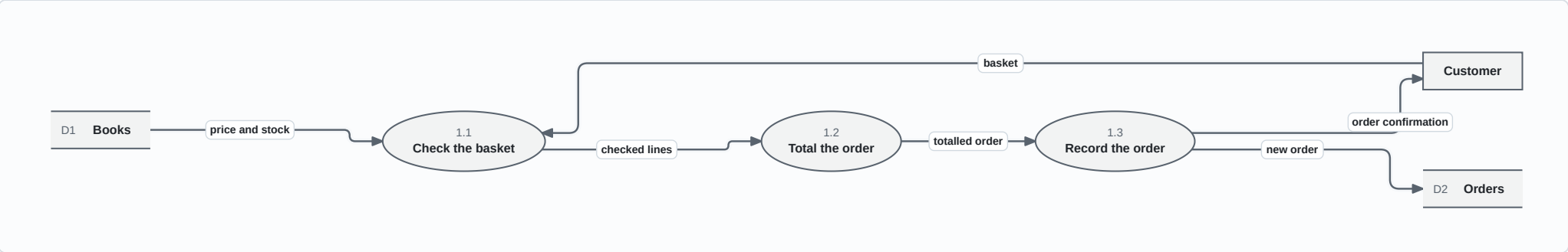
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Data flow data moving, named by what it carries

Elements 6

Card	Kind	Members
Customer	External entity	
Books	Data store	number D1
Orders	Data store	number D2
Check the basket	Process	number 1.1
Total the order	Process	number 1.2
Record the order	Process	number 1.3

Lines 6

From → to	Label	Kind
Customer → Check the basket	basket	Data flow
Books → Check the basket	price and stock	Data flow
Check the basket → Total the order	checked lines	Data flow
Total the order → Record the order	totalled order	Data flow
Record the order → Orders	new order	Data flow
Record the order → Customer	order confirmation	Data flow