Composite structure diagram

2026-11-19 · `examples/types/uml-composite-structure.json`

3 views · 4 cards · 10 lines

Contents

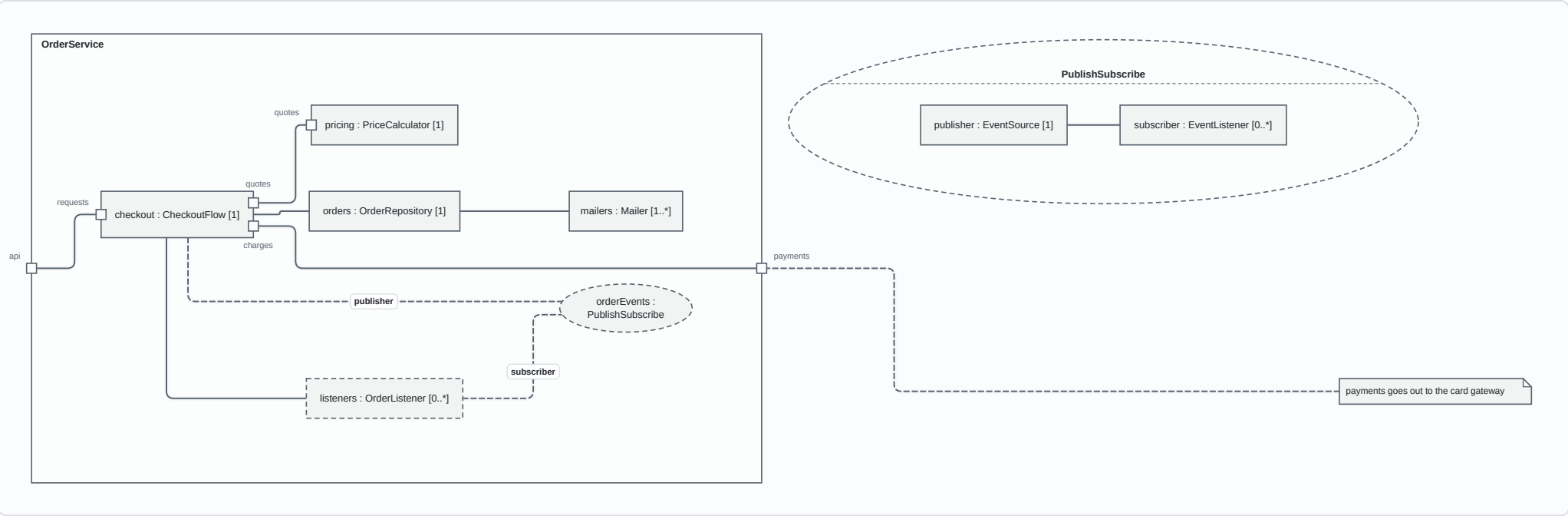
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Inside the bookshop's OrderService

4 cards · 10 lines



Legend —— **Connector** a link between parts and ports at run time ---- **Role binding** the part plays the named role of the collaboration ---- **Comment link** what a comment is about

Elements 4

Card	Kind	Members
OrderService	Class	port api port payments checkout : CheckoutFlow [1], composite pricing : PriceCalculator [1], composite orders : OrderRepository [1], composite mailers : Mailer [1..*], composite listeners : OrderListener [0..*], shared
orderEvents : PublishSubscribe	Collaboration use	PublishSubscribe publisher ← checkout subscriber ← listeners
PublishSubscribe	Collaboration	publisher : EventSource [1] subscriber : EventListener [0..*]
payments goes out to the card gateway	Comment	

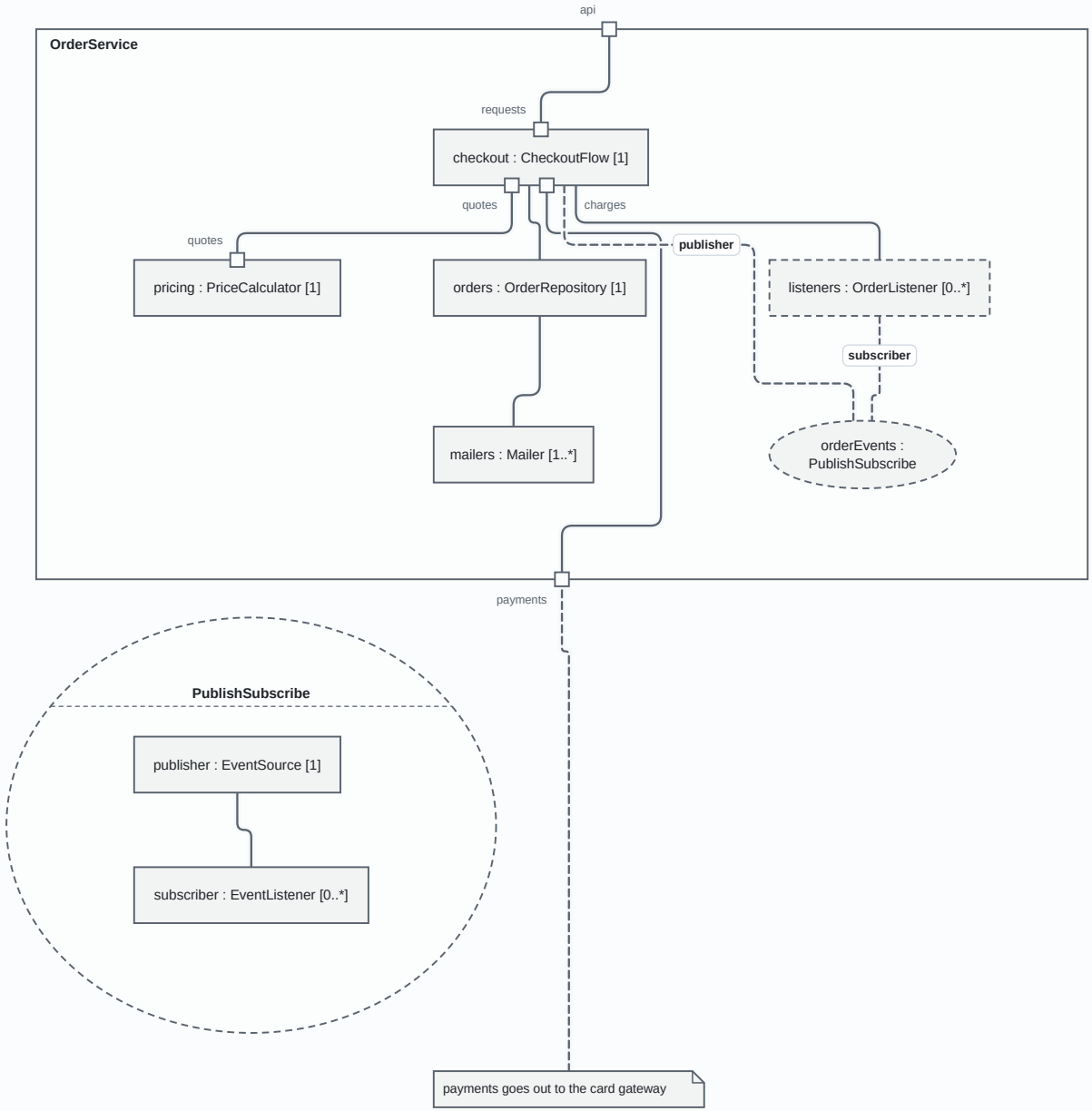
Lines 10

From → to	Label	Kind
OrderService → checkout : CheckoutFlow [1]		Connector
checkout : CheckoutFlow [1] → pricing : PriceCalculator [1]		Connector
checkout : CheckoutFlow [1] → OrderService		Connector
checkout : CheckoutFlow [1] → orders : OrderRepository [1]		Connector
orders : OrderRepository [1] → mailers : Mailer [1..*]		Connector
checkout : CheckoutFlow [1] → listeners : OrderListener [0..*]		Connector

Inside the bookshop's OrderService (continued)

Lines 10 (continued)

From → to	Label	Kind
publisher : EventSource [1] → subscriber : EventListener [0..*]		Connector
checkout : CheckoutFlow [1] → orderEvents : PublishSubscribe	publisher	Role binding
listeners : OrderListener [0..*] → orderEvents : PublishSubscribe	subscriber	Role binding
payments goes out to the card gateway → OrderService		Comment link



Legend —— **Connector** a link between parts and ports at run time

---- **Role binding** the part plays the named role of the collaboration

---- **Comment link** what a comment is about

Elements 4

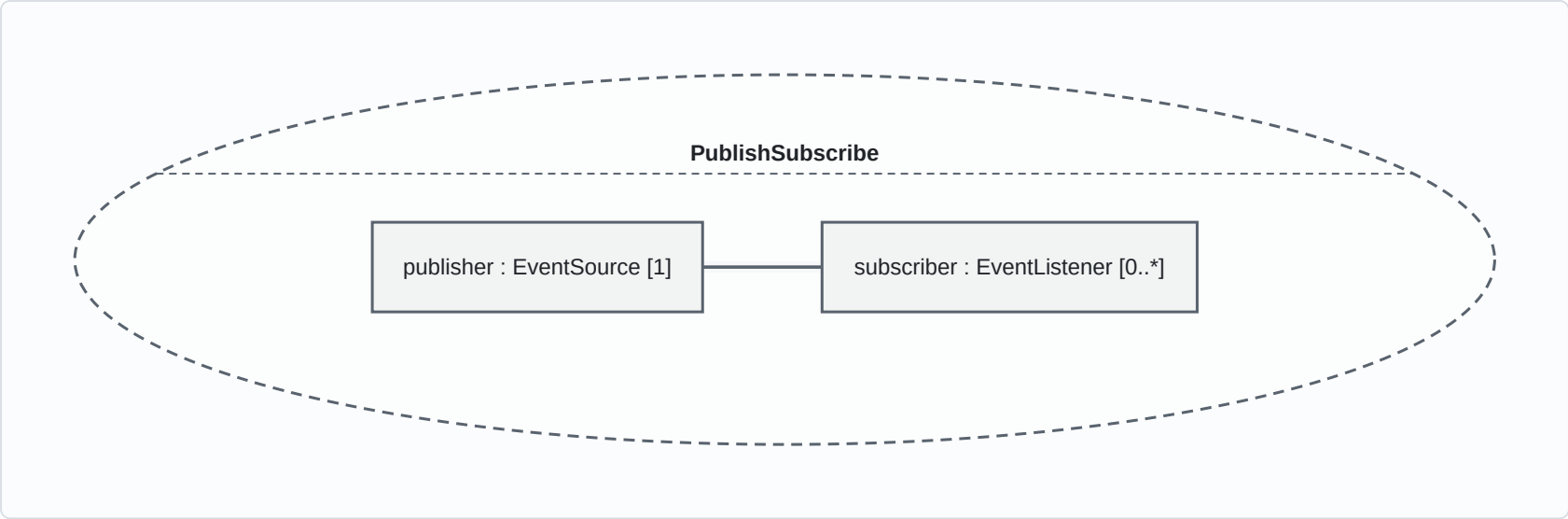
Card	Kind	Members
OrderService	Class	port api port payments checkout : CheckoutFlow [1], composite pricing : PriceCalculator [1], composite orders : OrderRepository [1], composite mailers : Mailer [1..*], composite listeners : OrderListener [0..*], shared
orderEvents : PublishSubscribe	Collaboration use	PublishSubscribe publisher ← checkout subscriber ← listeners
PublishSubscribe	Collaboration	publisher : EventSource [1] subscriber : EventListener [0..*]
payments goes out to the card gateway	Comment	

Lines 10

From → to	Label	Kind
▬ OrderService → checkout : CheckoutFlow [1]		Connector
▬ checkout : CheckoutFlow [1] → pricing : PriceCalculator [1]		Connector
▬ checkout : CheckoutFlow [1] → OrderService		Connector
▬ checkout : CheckoutFlow [1] → orders : OrderRepository [1]		Connector

Lines 10 (continued)

From → to	Label	Kind
orders : OrderRepository [1] → mailers : Mailer [1..*]		Connector
checkout : CheckoutFlow [1] → listeners : OrderListener [0..*]		Connector
publisher : EventSource [1] → subscriber : EventListener [0..*]		Connector
checkout : CheckoutFlow [1] → orderEvents : PublishSubscribe	publisher	Role binding
listeners : OrderListener [0..*] → orderEvents : PublishSubscribe	subscriber	Role binding
payments goes out to the card gateway → OrderService		Comment link



Legend — **Connector** a link between parts and ports at run time

Elements 1

Card	Kind	Members
PublishSubscribe	Collaboration	publisher : EventSource [1] subscriber : EventListener [0..*]

Lines 1

From → to	Label	Kind
publisher : EventSource [1] → subscriber : EventListener [0..*]		Connector