



Applikationsentwicklung

Projekt "Filialen-Bestellsystem"

Eine Präsentation von Team 11 mit
Elias Stocker, Martin Gasser und Thomas Galliker

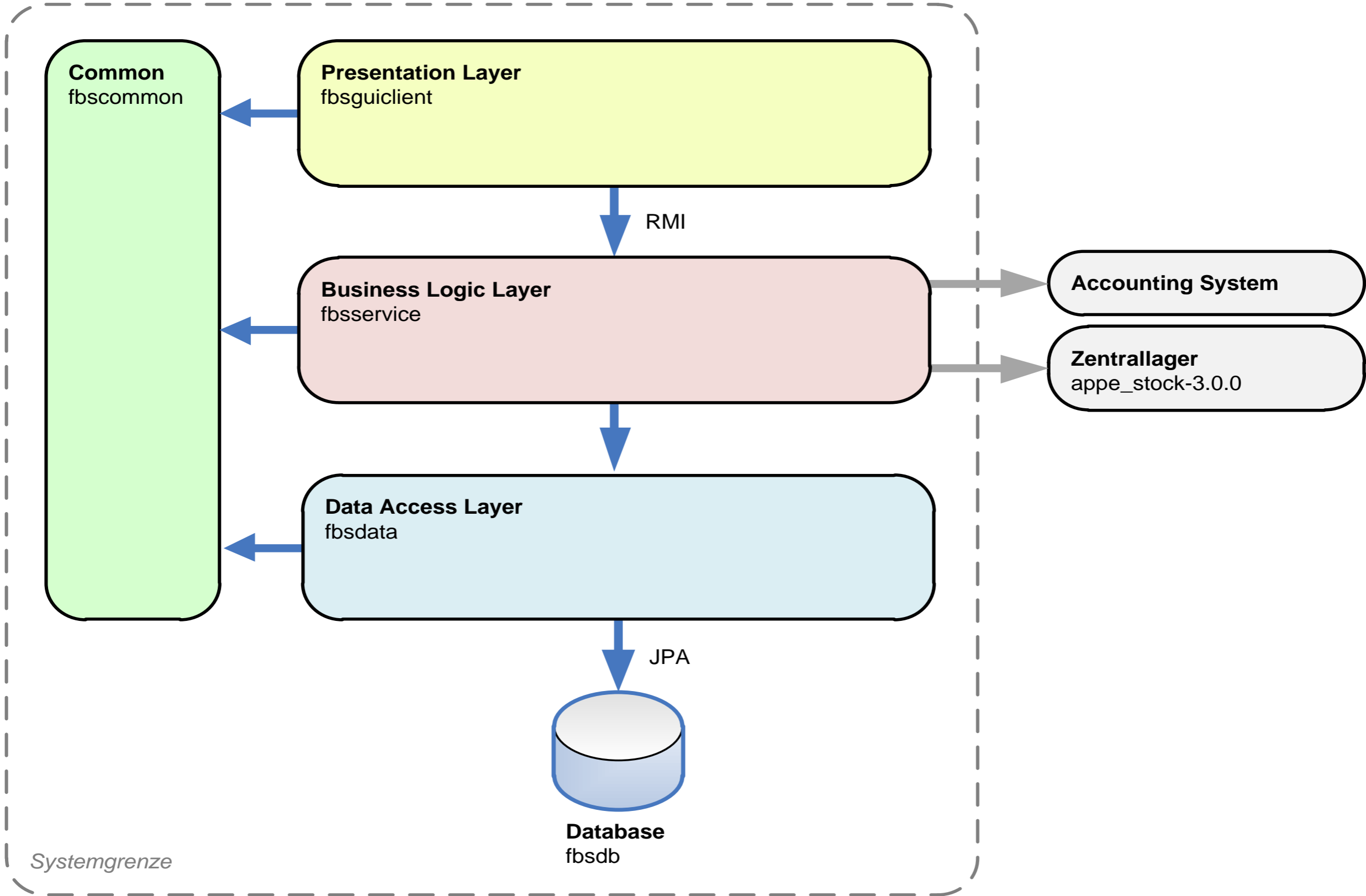
Horw, 26. Mai 2011

Übersicht

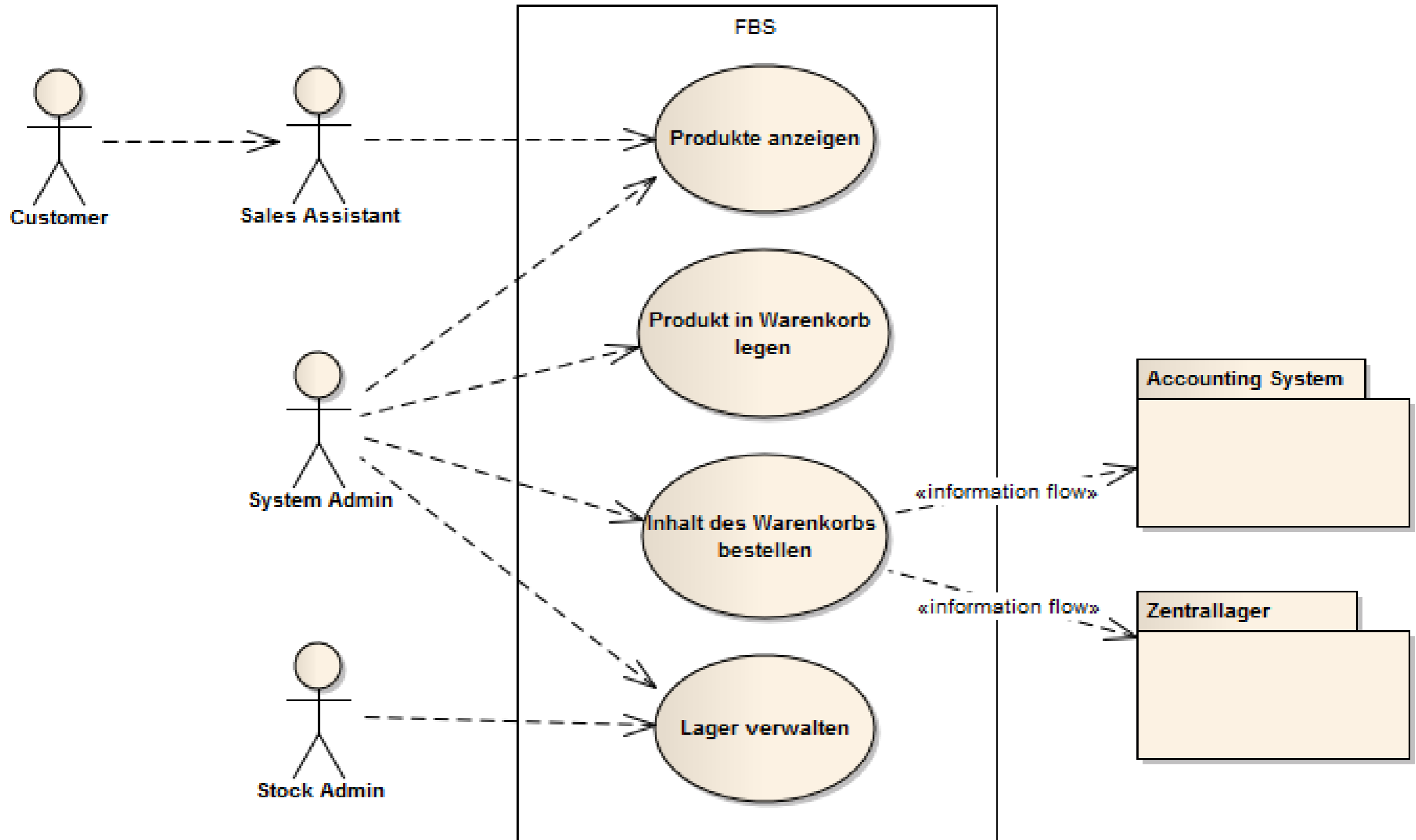
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Systemübersicht

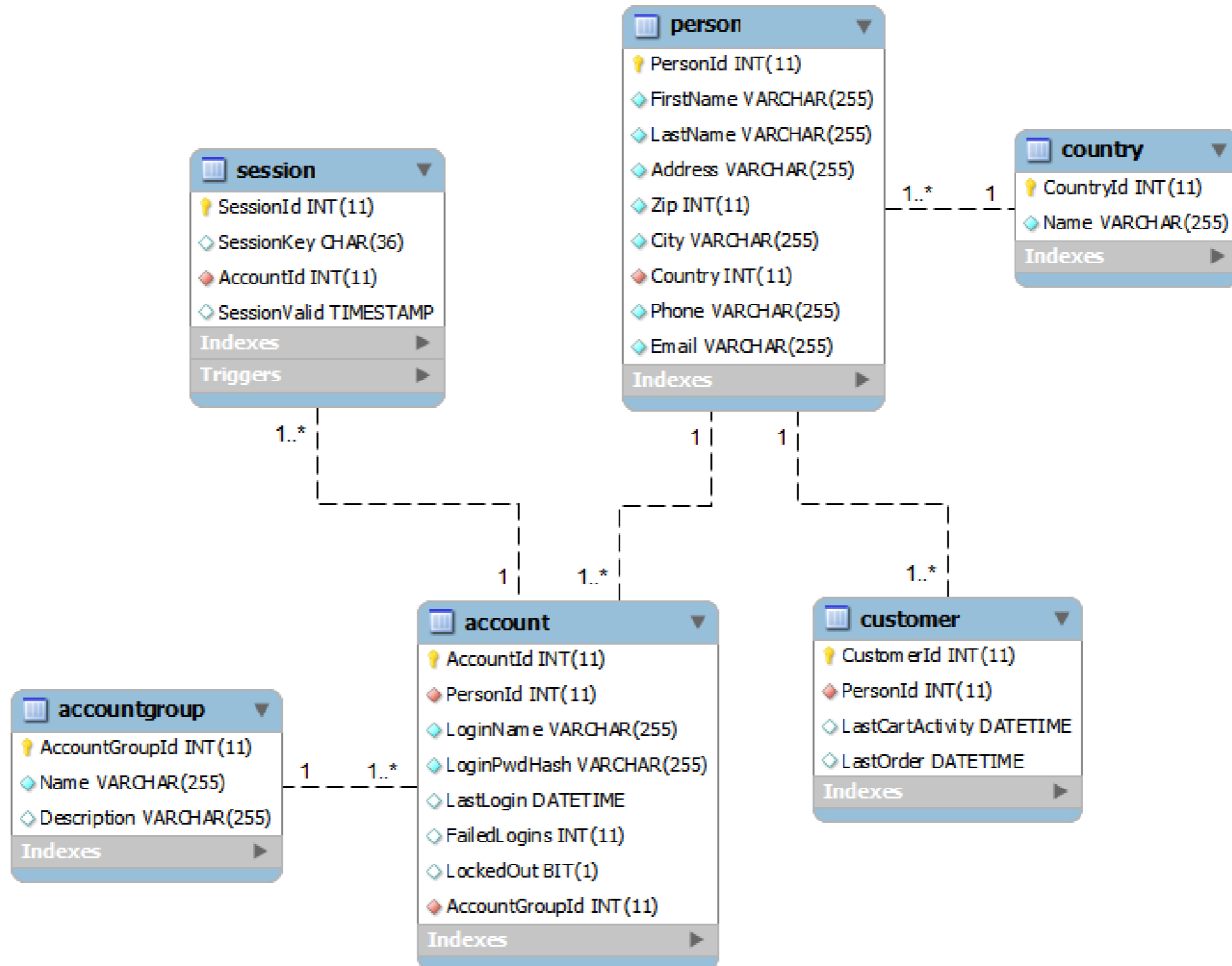


Use Cases



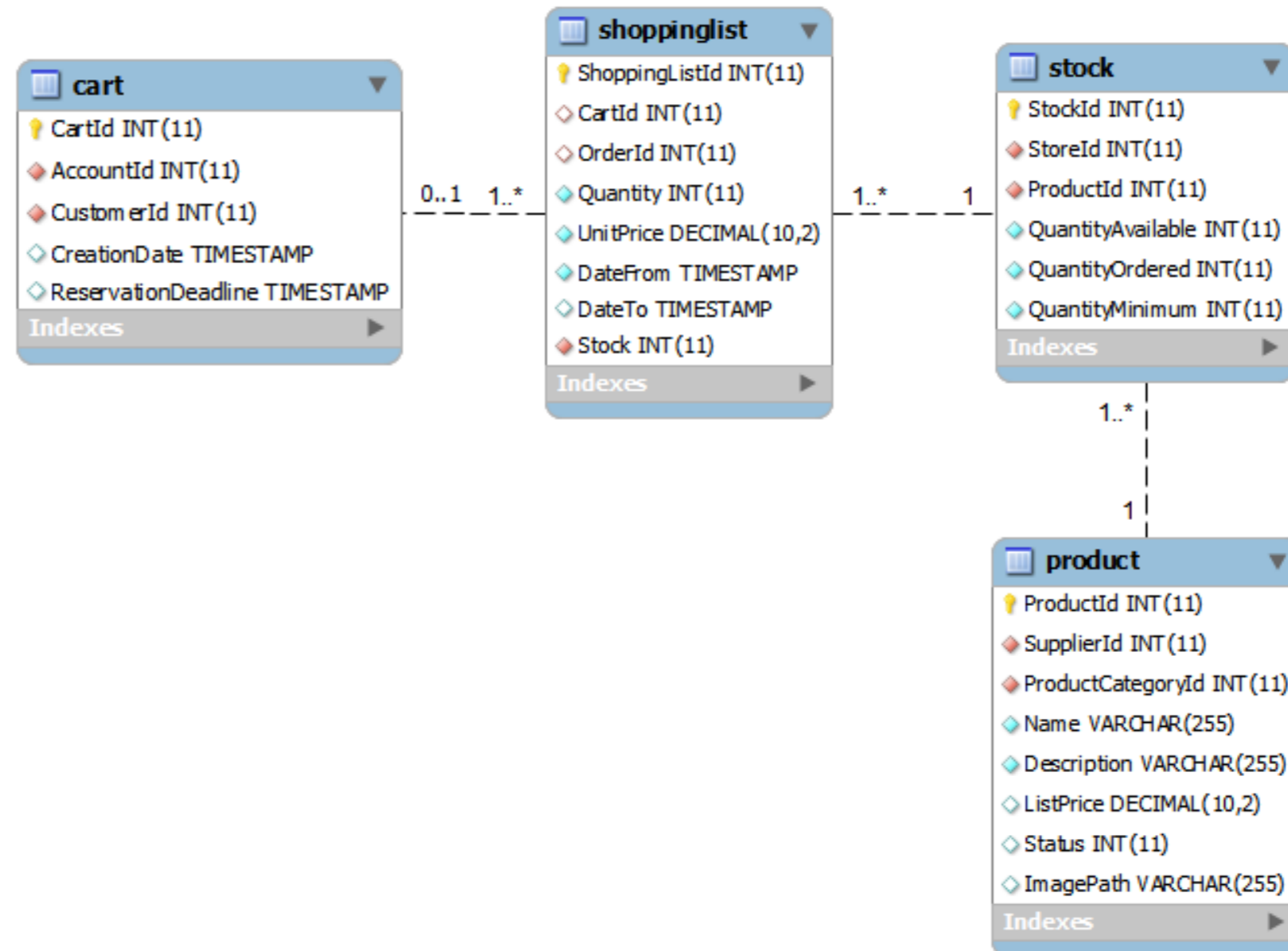
ER-Diagramm

Person



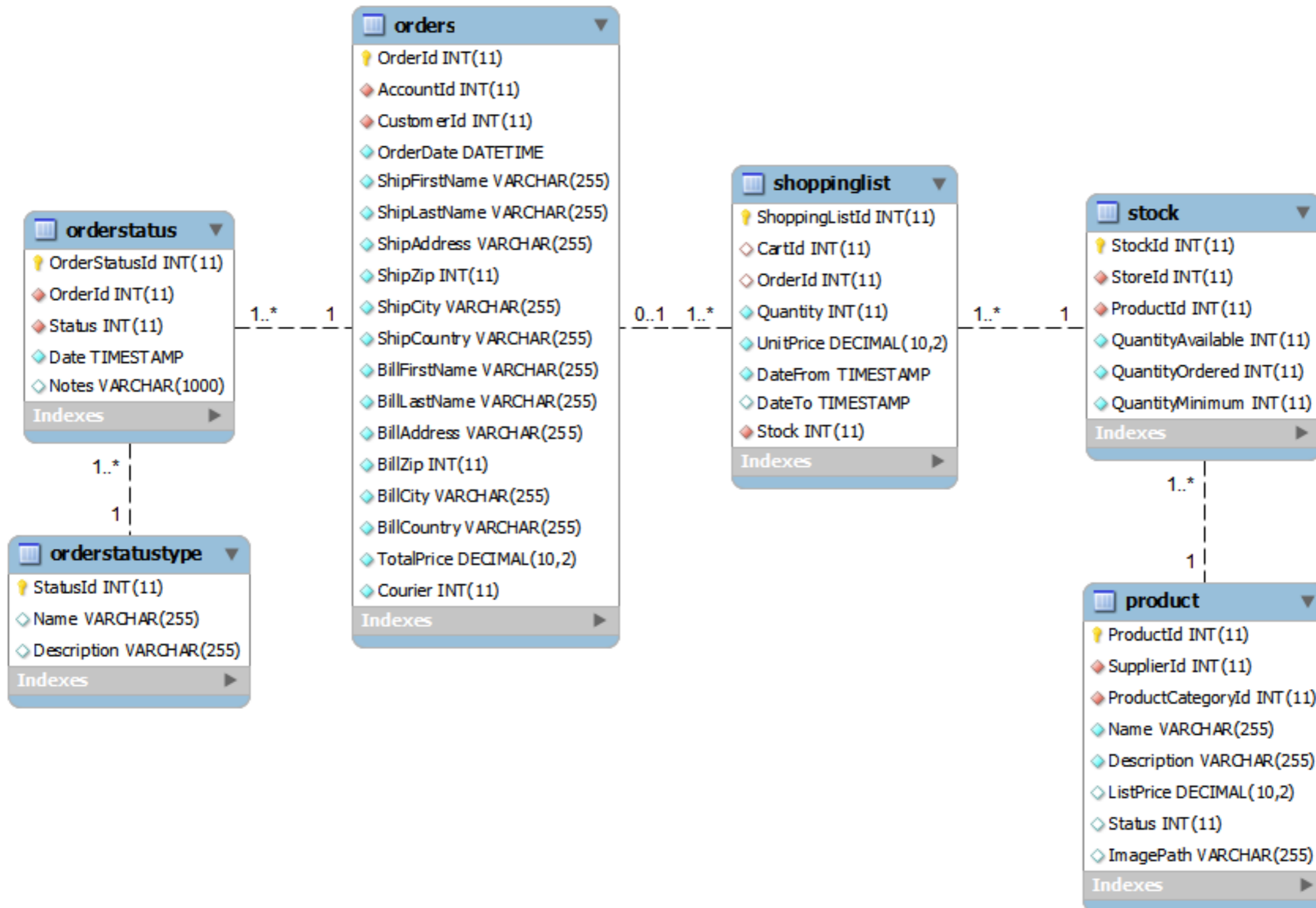
ER-Diagramm

Cart



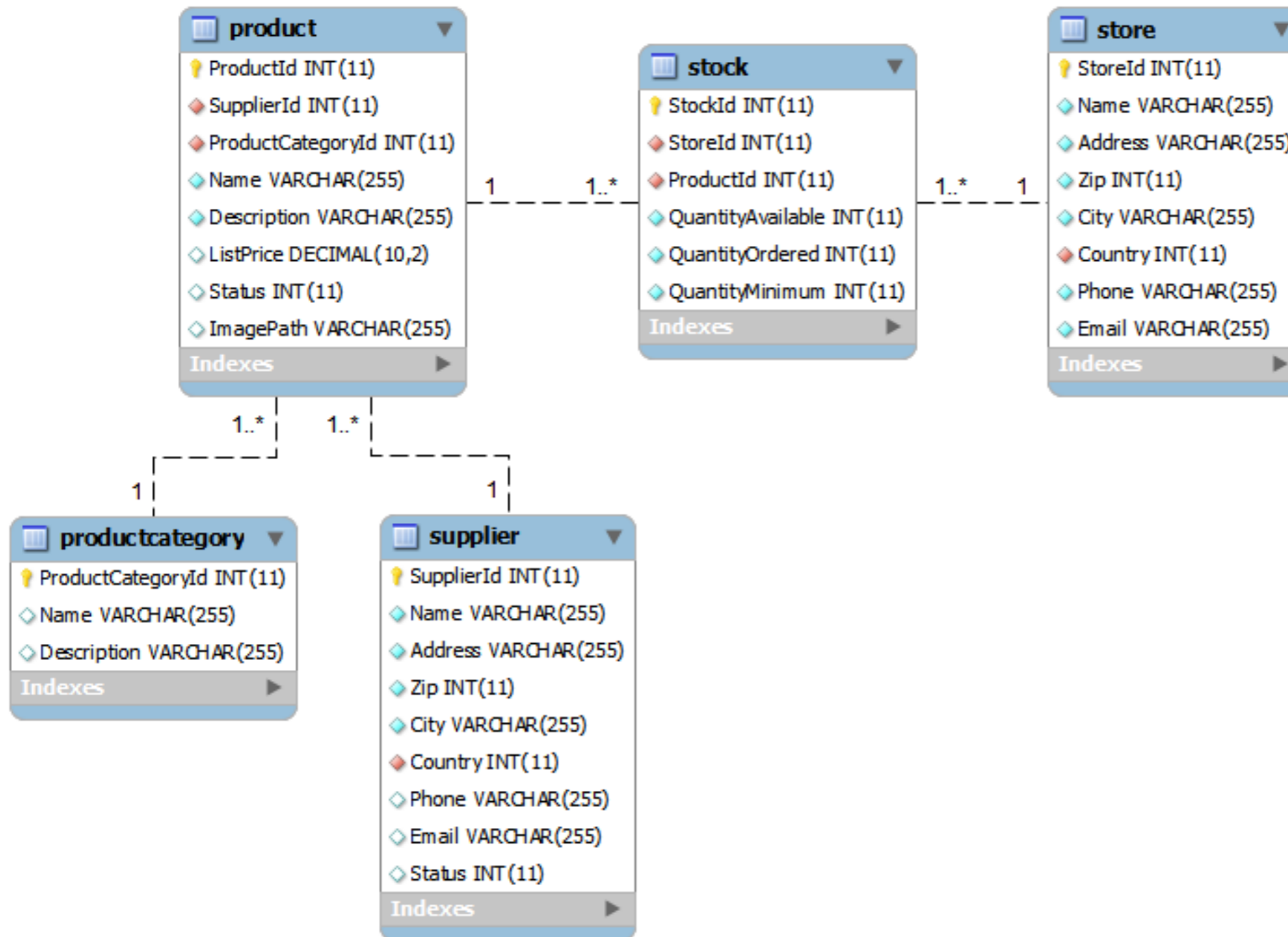
ER-Diagramm

Order



ER-Diagramm

Product



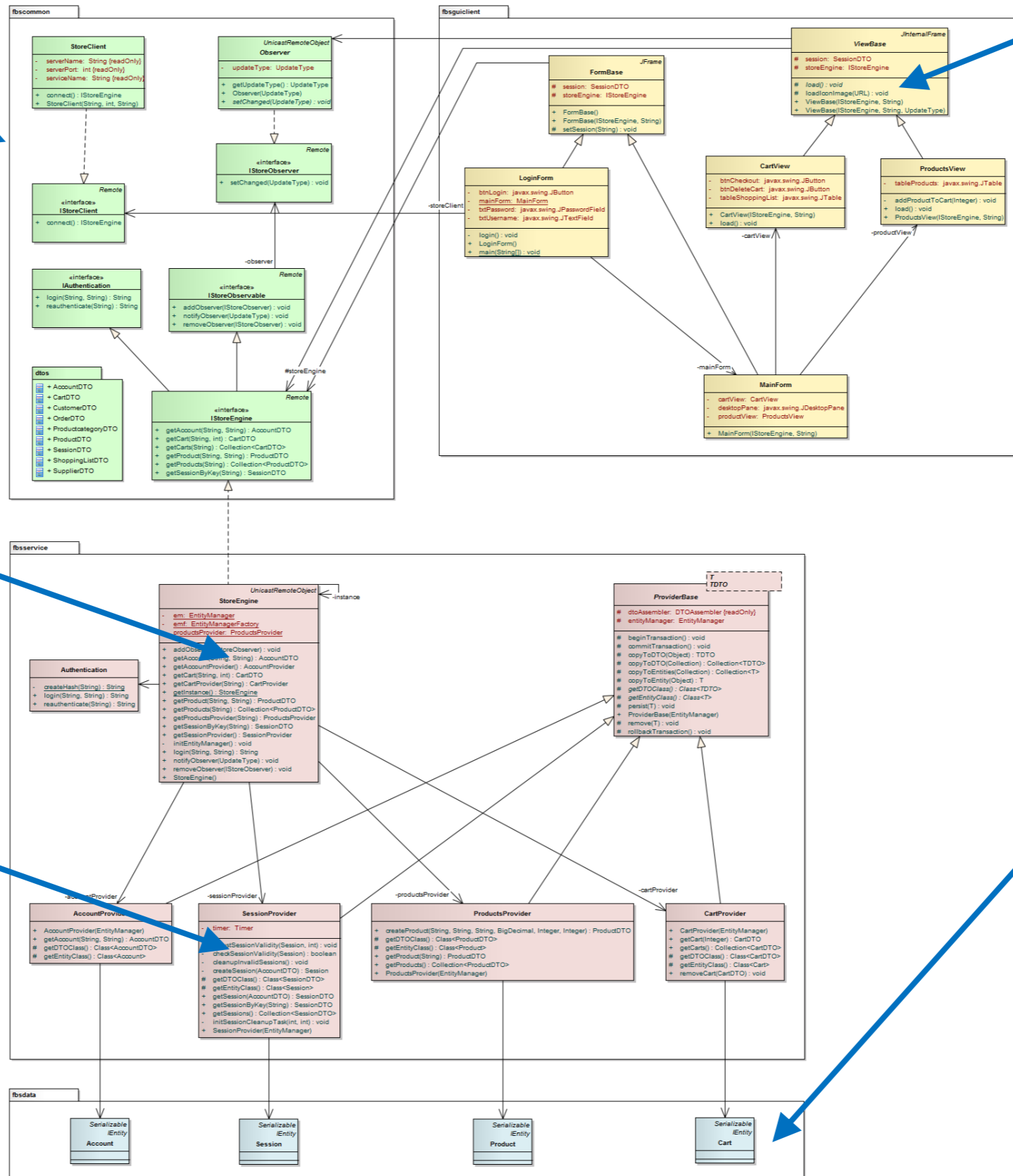
Klassendiagramm

Gemeinsame Daten:
Datentypen,
Exceptions,
Interfaces,
DTOs,...

StoreEngine
getProducts(...),
addToCart(...),
createOrder(...)

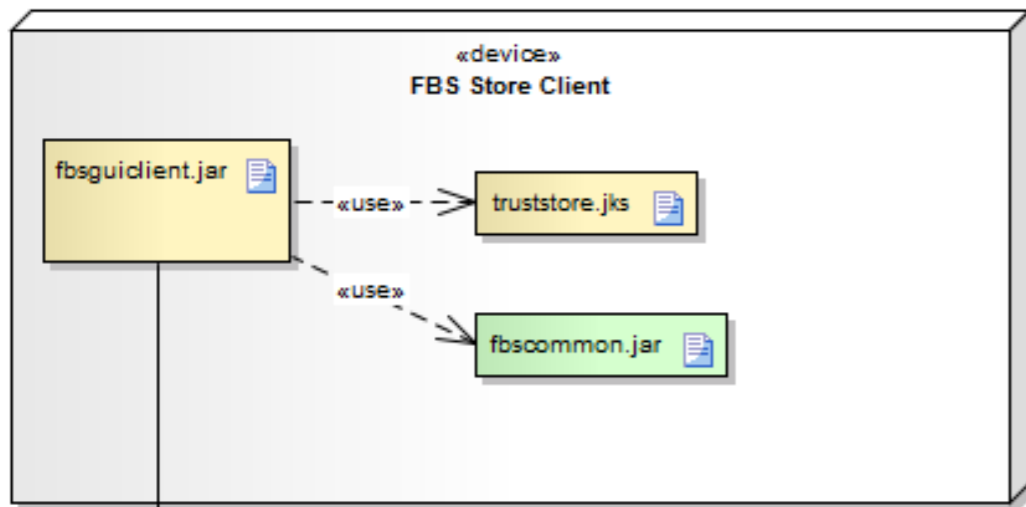
Provider Klassen
ProductProvider,
CartProvider,
OrderProvider,...

GUI
Forms,
Views...

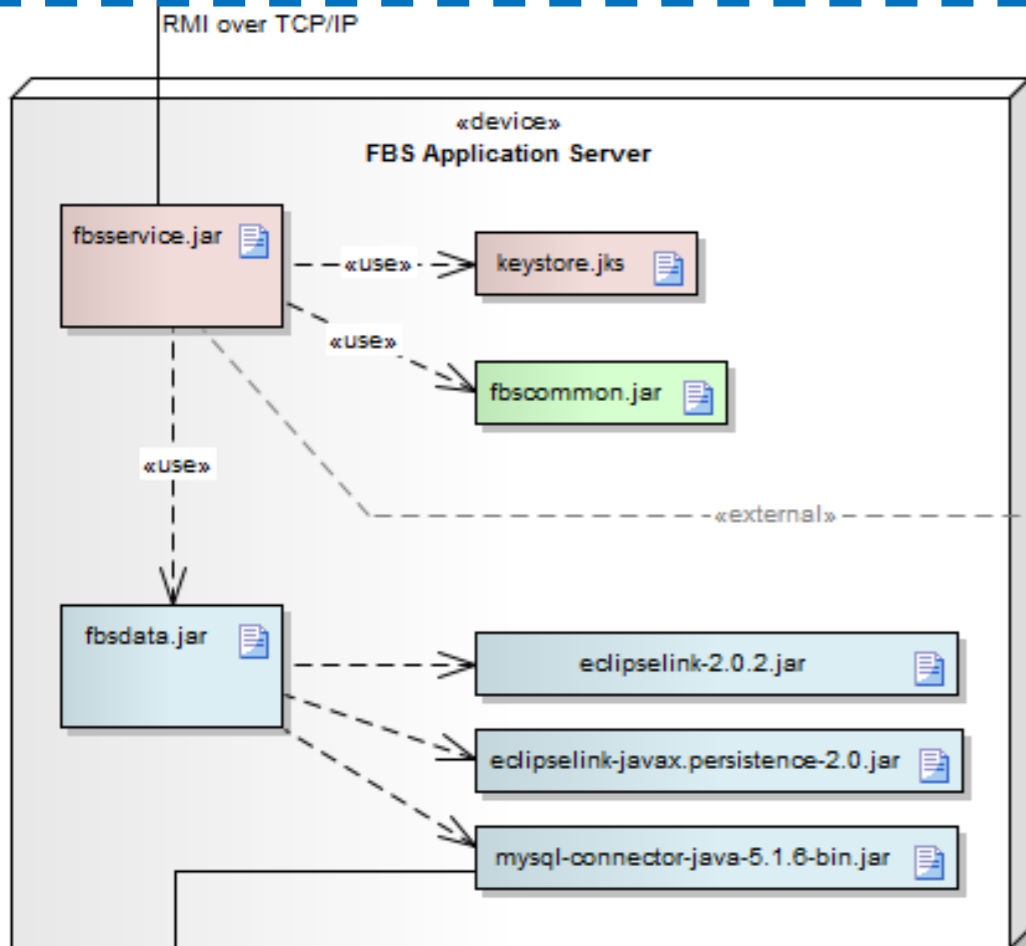


Entity Objekte
Product,
Cart,
Order,...

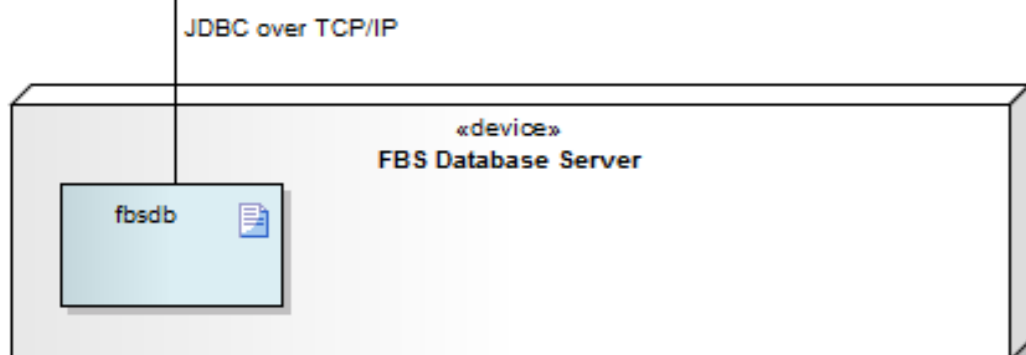
Verteilungsansicht



Tier-Grenze



Tier-Grenze



Demonstration

FBS GUI Client (FBS Filiale Luzern)

File Products Store Customers Windows Help

Account: **Thomas (Customer)** Customer: **Thomas Galliker** Cart: **#5 from 24.05.2011 11:06:54**

Products

Find: Search

ID	Product Name	Category	Supplier	List Price	Stock	Cart	Delete
45	Apple iPad 2, 16 GB - WIFI + 3G - Schwarz	Mobile Device	Apple Schweiz	CHF 699.00	0	Add to cart	Delete
44	Apple iPad 2, 16 GB - WIFI - Schwarz	Mobile Device	Apple Schweiz	CHF 549.00	0	Add to cart	Delete
46	Apple iPad 2, 64 GB - WIFI + 3G - Schwarz	Mobile Device	Apple Schweiz	CHF 919.00	9	Add to cart	Delete
50	Apple iPhone 4 - 16 GB - Schwarz	Mobile Device	Apple Schweiz	CHF 752.00	19	Add to cart	Delete
51	Apple iPhone 4 - 32 GB - Schwarz	Mobile Device	Apple Schweiz	CHF 899.00	16	Add to cart	Delete
47	Apple MacBook Pro 13", i5 2.3GHz, 320GB	Computer	Apple Schweiz	CHF 1229.00	15	Add to cart	Delete
48	Apple MacBook Pro 15", i7 2.2GHz, 750GB	Computer	Apple Schweiz				
49	Apple MacBook Pro 17", i7 2.2GHz, 750GB	Computer	Apple Schweiz				
15	Cisco 3750E-48PD, Managed 48 Port Gigabit Switch ...	Networking	NextiraOne Schweiz GmbH				
14	Cisco SG300-52, 48x 10/100/1000Mbps Gigabit Swit...	Networking	NextiraOne Schweiz GmbH				
12	D-Link DWA-547 Wireless PCI-Adapter bis 300 Mbit/s	Mouse	NextiraOne Schweiz GmbH				
52	HP EliteBook 8540w, i7 740QM, 15.6" Full HD, 8GB, ...	Computer	Oracle Software (Schweiz) GmbH				
53	HP EliteBook 8540w, i7 740QM, 15.6" Full HD, 8GB, ...	Computer	Oracle Software (Schweiz) GmbH				
54	HP EliteBook 8740w, i7 720QM, 17" WUXGA, 8GB, F...	Computer	Oracle Software (Schweiz) GmbH				
10	HP SAS Hard Disk Drive, 300GB, 15k,	Storage	HP Schweiz GmbH				
8	HP SATA Hard Disk Drive, 149GB, 15k,	Storage	HP Schweiz GmbH				
9	HP SATA Hard Disk Drive, 300GB, 10k,	Storage	HP Schweiz GmbH				
71	HTC Desire HD - Braun/Schwarz - Multilingual	Mobile Device	HTC Europe Co., Ltd.				
11	Intel EXP19301CTBLK, 1000CT Gigabit Adapter PCIe	Mouse	NextiraOne Schweiz GmbH				
13	Intel EXP19402PTBLK Pro, Dual-Gigabit PCI Express x4	Networking	NextiraOne Schweiz GmbH				
2	Logitech Wireless Mouse M705, Cordless	Mouse	Logitech Schweiz AG				
3	Microsoft Windows 7 Home Premium 64bit, OEM, -D-	Software	Microsoft Schweiz GmbH				
4	Microsoft Windows 7 Professional 64bit, OEM, SP1 -D-	Software	Microsoft Schweiz GmbH				
32	Netgear ReadyNAS 3200, 6x 1000GB 7/24 Festplat...	Storage	Distrelect Schweiz AG				
31	Netgear ReadyNAS RNRX4410 19 Zoll, 4x1000GB 7...	Storage	Distrelect Schweiz AG				
30	Netgear ReadyNAS Ultra RNDU2120, 1x 2000GB +...	Storage	Distrelect Schweiz AG				

Shopping Cart #5 / Customer: Thomas Galliker

You've added following articles to your shopping cart. Proceed to checkout to initiate a new order.

ID	Product	Supplier	Unit Price	Quantity	Subtotal
123	Cisco SG300-52, 48x 10/100/1000Mbps Gigabit Swi...	NextiraOne Schweiz GmbH	802.00	1	802.00
119	D-Link DWA-547 Wireless PCI-Adapter bis 300 Mbit/s	NextiraOne Schweiz GmbH	47.00	1	47.00
115	HP SAS Hard Disk Drive, 300GB, 15k,	HP Schweiz GmbH	499.00	1	499.00
111	HP SATA Hard Disk Drive, 149GB, 15k,	HP Schweiz GmbH	299.00	1	299.00
113	HP SATA Hard Disk Drive, 300GB, 10k,	HP Schweiz GmbH	399.00	1	399.00
117	Intel EXP19301CTBLK, 1000CT Gigabit Adapter PCIe	NextiraOne Schweiz GmbH	36.00	1	36.00
121	Intel EXP19402PTBLK Pro, Dual-Gigabit PCI Express...	NextiraOne Schweiz GmbH	139.00	1	139.00
5	5, Cordless	Logitech Schweiz AG	51.00	1	51.00
onal 64bit, OEM, SP1 -D-	onal 64bit, OEM, SP1 -D-	Microsoft Schweiz GmbH	149.00	1	149.00
ise Edition	ise Edition	Oracle Software (Schweiz) GmbH	9999.00	1	9999.00
Edition	Edition	Oracle Software (Schweiz) GmbH	99.00	1	99.00
rd Edition	rd Edition	Oracle Software (Schweiz) GmbH	999.00	1	999.00

Delete Shopping Cart Preceed to Checkout Close

Login

FBS GUI CLIENT

Store: localhost

Username: Thomas

Password: ●●●●

Use SSL Login Cancel

	# of Products	Total Price	Status	Cancellation
	7	6433.00	PROCESSING	Cancel
	12	13518.00	PAID	Cancel
	12	13518.00	RETURNED	Cancel
	1	919.00	COMPLETED	Cancel
	9	6341.00	COMPLETED	Cancel

Schwerpunkt

Generische DTO Assemblierung

- Open Source Produkt: GeDA
- Annotations in DTO's
- Automatisches Konvertieren zwischen DTO- und Entity-Typen

```
@DtoField("productId")  
private Integer productId;
```

```
@DtoField("name")  
private String name;
```

```
@DtoField("description")  
private String description;
```

```
@DtoField(value = "supplier",  
dtoBeanKey = "fbscommon.dtos.SupplierDTO",  
entityBeanKeys = {"Entities.Supplier"})  
private SupplierDTO supplier;
```

Danke für eure Aufmerksamkeit.
Für offene Fragen
stehen wir gerne bereit.