

# LU04.S02 - Examples for library-functions

The screenshot shows the Zalando website interface. At the top, there is a navigation bar with 'Hilfe & Kontakt' on the left and '30 Tage Rückgaberecht' on the right. Below this, there are tabs for 'Damen', 'Herren', and 'Kinder', and the Zalando logo. A search bar is located on the right side. The main content area displays a shopping cart with three items:

- Item 1:** Tommy Hilfiger MAXWELL - Sneaker low - midnight. Price: CHF 126.00 (discounted from CHF 149.00). Quantity: 1.
- Item 2:** Denim Project 3 PACK - T-Shirt basic - black/white/grey. Price: CHF 38.00. Quantity: 1.
- Item 3:** G-STAR ROVIC ZIP TAPERED - Cargohose - steel grey. Price: CHF 105.00 (discounted from CHF 140.00). Quantity: 1.

On the right side, a checkout summary is shown:

- Zwischensumme: CHF 269.00
- Versand: CHF 0.00
- Gesamtsumme inkl. MwSt.: CHF 269.00

Red circles and numbers 1-8 highlight specific elements and their corresponding library functions:

1. **Gratis Standardversand & Rückversand ab CHF 34.90\*** (Shipping information)
2. **30 Tage Rückgaberecht** (Return policy)
3. **Warenkorb (3 Artikel)** (Cart title)
4. **Versand CHF 0.00** (Shipping cost)
5. **Do., 27.02. - Fr., 28.02.** (Shipping date)
6. **Gesamtsumme inkl. MwSt. CHF 269.00** (Total price)
7. **CHF 126.00** (Current price)
8. **Ursprünglich: CHF 149.00 Du sparst 10%** (Discount information)

1. `freeShipmentAmount = calcFreeShipment(country)` -> Calculates the free shipment amount regarding the country
2. `shoppingCartItems = sumShoppingItems(customerNo, sessionNo)` -> Only the figure is relevant
3. `shoppingCartItems = sumShoppingItems(customerNo, sessionNo)` -> differently presented (format)
4. `currentShipmentCost = calcShipmentCost(CustomerNo, sessionNo, freeShipmentAmount)` -> only relevant under the free-shipment limit
5. `shippingDate = (currentDate)` -> regarding Swiss date format
6. `shoppingCartSum = sumShoppingPrices(customerNo, sessionNo)` -> Sum of the current shopping cart value, regarding the Swiss VAT
7. `currentPrice = calcActualPrice(price, discount)` -> If `discount > 0`, textcolour is red
8. `priceDiscount = calcDiscount(originalPrice, currentPrice)` -> Calculates the discount as

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Last update: 2025/02/25 12:30



