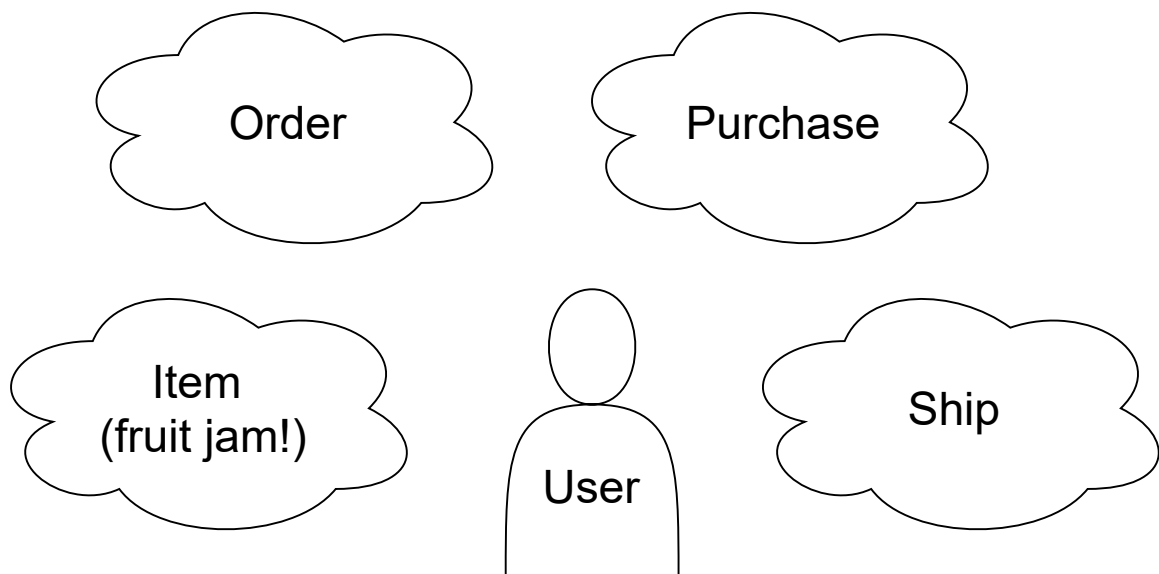


Step 1: Define the Purpose of the Database

(CR9 - Database Development - Rasmi Silasari)



The Database of E-Commerce Site **Famazon: The Fruit Jam Zone**

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* About Famazon:

- Famazon is a site which sells Austrian local organic fruit jams (e.g. from strawberry, apricot, blueberry, etc) from companies/producers around Austria
- Famazon only ships within Austria to comply with its 'minimum carbon footprints' and 'eat local' slogans
- All products are shipped from Famazon warehouse (central shipment) because it takes less carbon footprints when the companies ship their products to Famazon warehouse in large quantity to be distributed based on Famazon customer order compared to when the companies ship individually to each order
- Famazon can stock a lot of products in its warehouse because fruit jams last long (1-2 years) and will notify companies when the stock is low (reaches threshold of n)

*About customer experience:

- A person has to register as a user and input personal data to use Famazon, the login uses email and password
- One order can have many items (one-to-many)
- One order can only be purchased once (one-to-one)
- One purchase only produces one invoice (one-to-one)
- Customer can choose payment type of a purchase (Bank Transfer, PayPal, Credit Card)
- One order can only be shipped once (one-to-one)
- Customer has to input delivery address, in case it is different than home address
- Customer can choose courier of a shipment (Post: cheap+slow, Hermes: moderate, DPD: expensive+fast, DHL: very expensive+very fast)
- Shipment rate is assumed flat rate for all kind of orders to all cities (it is only different based on the courier)
- Total price to be paid is: $\text{Order.orderPrice} = \text{SUM}(\text{OrderItem.sumPrice}) + \text{Courier.shipPrice}$