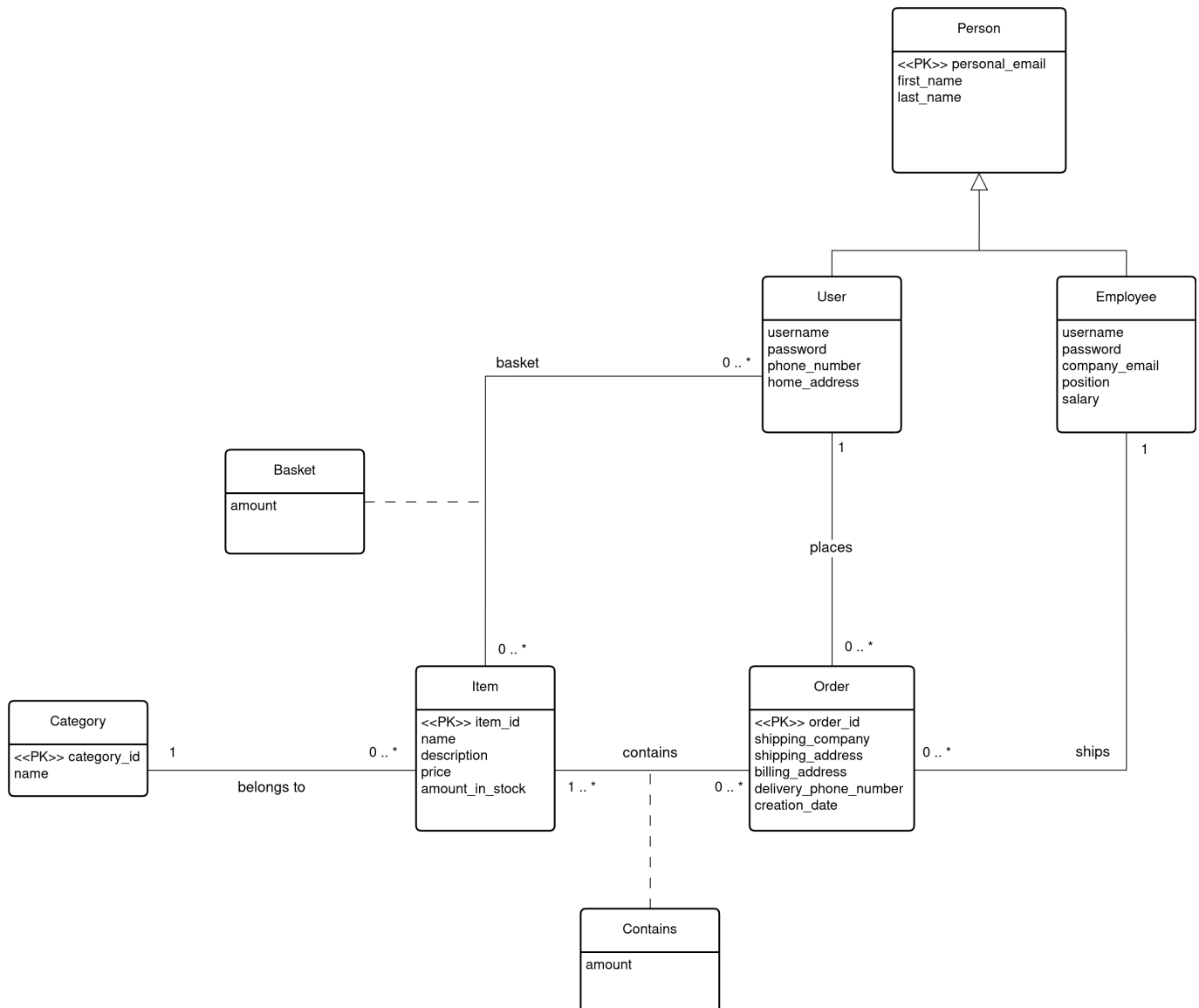


First part of IDS project

Assignment 40: "internetový obchod"

ER diagram



Entities **User** and **Employee** share common properties, these are extracted using generalization/specialization into **Person**. **User** represents a single customer registration, **Employee** represents a work account of a single employee.

Item is a single kind of goods being sold in the store, with all its information (name, price, number of items in stock, ...). **Category** represents a named group of items, each **Item** belongs to exactly one **Category**.

The basket of a user is represented by a relation attribute **Basket**, on a relation between **User** and **Item**, which stores how many pieces of each item does a user have in their basket.

Order represents an order of goods made by the user. This differs from the basket -- basket contains goods that the user hasn't bought yet, an order contains goods already ordered by the user, intended to be paid

for and delivered, that's why **Order** contains shipping information. The relation attribute **ItemOfOrder** stores the amount of each item contained in each order.

Each order is managed by an employee, that packs the ordered goods and ships the parcel according to the information in **Order**.

Usecase diagram

