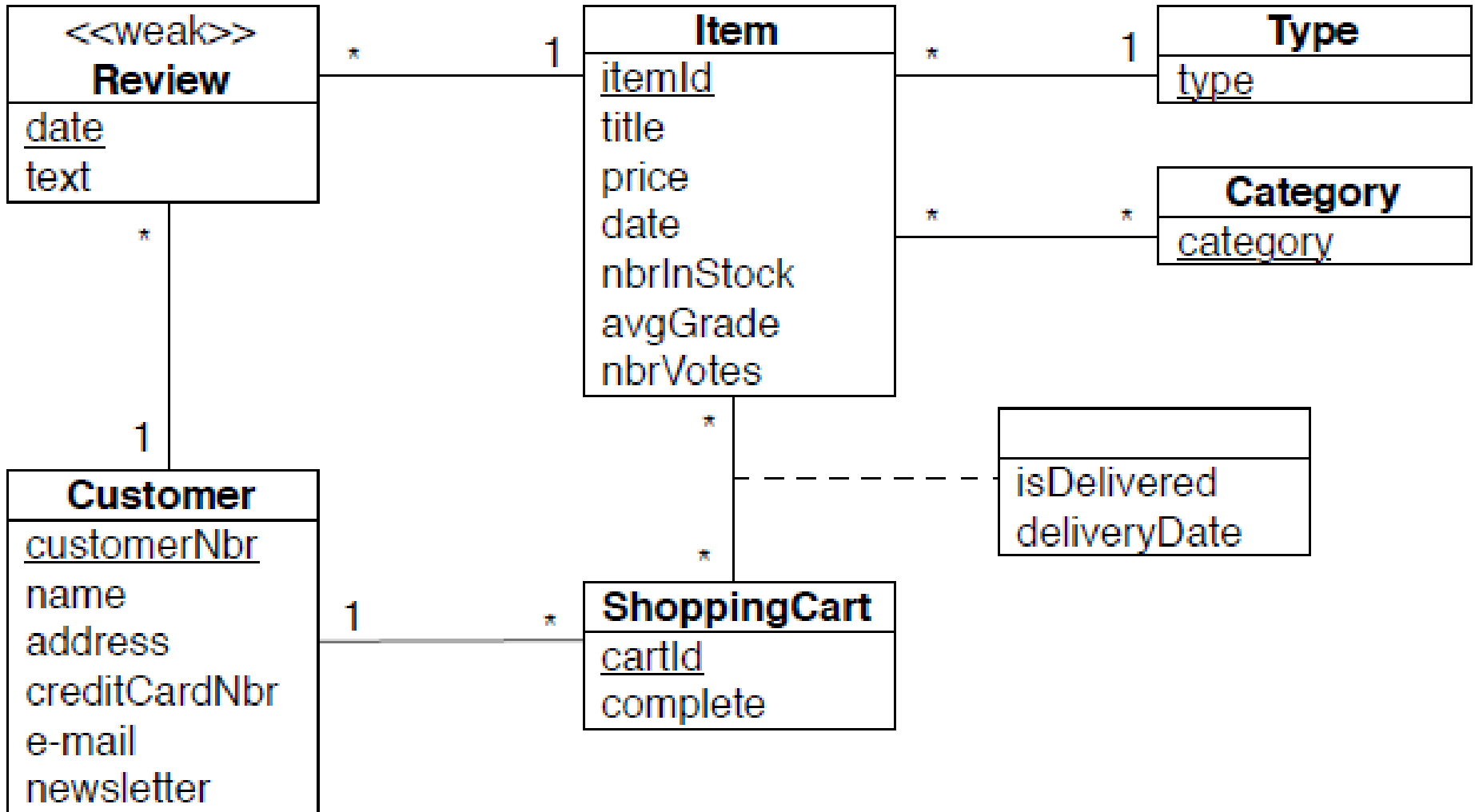# Base de données relationnelles
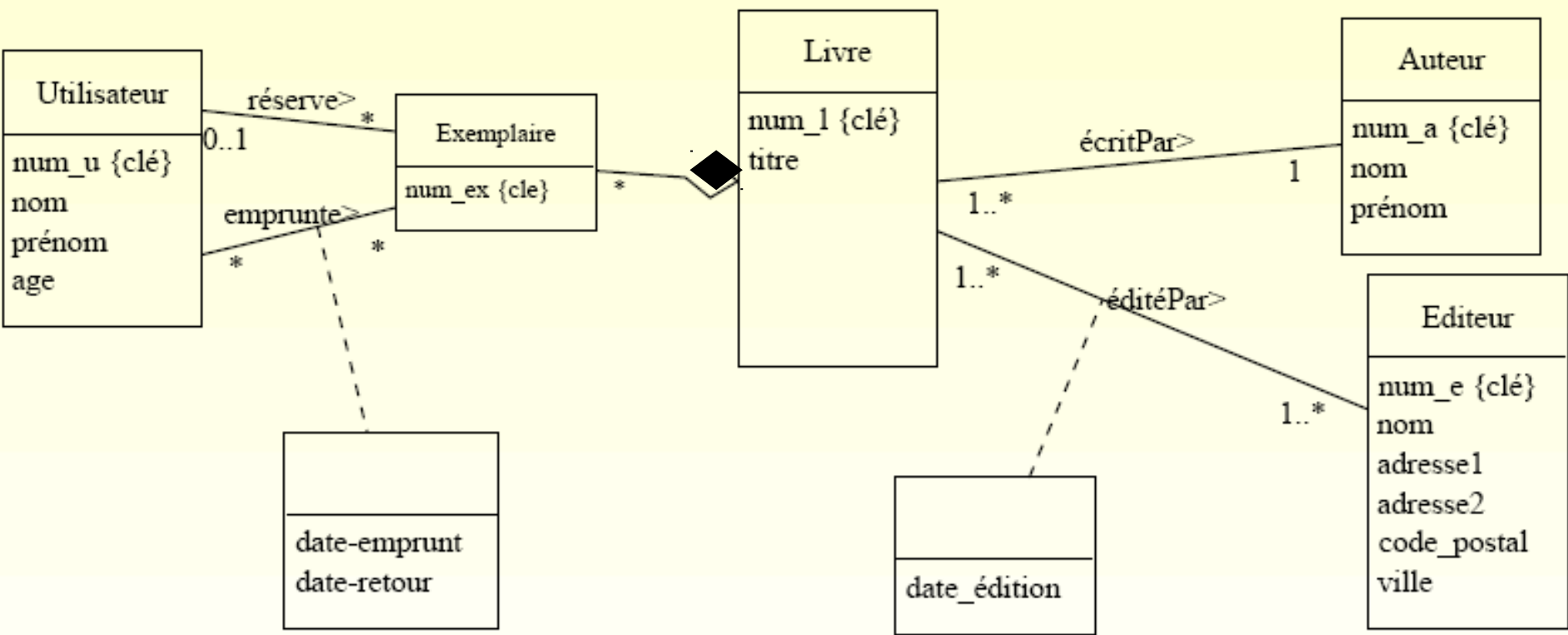
## Walter RUDAMETKIN

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# Exercices

Convertissez le schéma conceptuel en schéma relationnel.

Créez le schéma conceptuel d'abord si nécessaire.

## <<weak>> Review
date
text

## Item
itemId
title
price
date
nbrInStock
avgGrade
nbrVotes

## Type
type

## Category
category

## Customer
customerNbr
name
address
creditCardNbr
e-mail
newsletter

## ShoppingCart
cartId
complete

isDelivered
deliveryDate

Review `*` — `1` Item

Item `*` — `1` Type

Item `*` — `*` Category

Review `*` — `1` Customer

Item `*` — `*` ShoppingCart (isDelivered, deliveryDate)

Customer `1` — `*` ShoppingCart

Utilisateur

num_u {clé}
nom
prénom
age

réserve> *

0..1

emprunte>

*          *

Exemplaire

num_ex {cle}

*

Livre

num_l {clé}
titre

1..*          écritPar>          1

1..*

éditéPar>

1..*

Auteur

num_a {clé}
nom
prénom

Editeur

num_e {clé}
nom
adresse1
adresse2
code_postal
ville

date-emprunt
date-retour

date_édition

A **calendar program** that allows users to browse each other's calendars and to book common appointments shall be developed. The program has a database which keeps track of the **users** and their **calendars**. You use the calendar to store data concerning **appointments**. An appointment **starts and ends** at a given time on a given day and is described by a **text**. You may specify that you wish to be reminded of an appointment. **Reminders** are of different **kinds**: a signal in the computer's loudspeaker, a pop-up window with the description of the meeting, or an e-mail containing the description. You may, for each reminder, specify **how long before** the appointment that you wish to be reminded. Develop a UML model of the database.