Information Engineering Style

one to one

one to many (mandatory)

many

one or more (mandatory)

one and only one (mandatory)

zero or one (optional)

zero or many (optional)

User

PK	User_ID
	User_Name
	Created_On

Item

PK	Item_ID
FK	User_ID
FK	Cat_ID
	Item_Name
	Item_Desc
	Item_Quant

Category

PK	Cat_ID
	Cat_Name

Expiration

PK	Exp_Alert
FK	Item_ID
	Exp_Date
	Is_Dismissed
	Is_Created
	Is_Altered