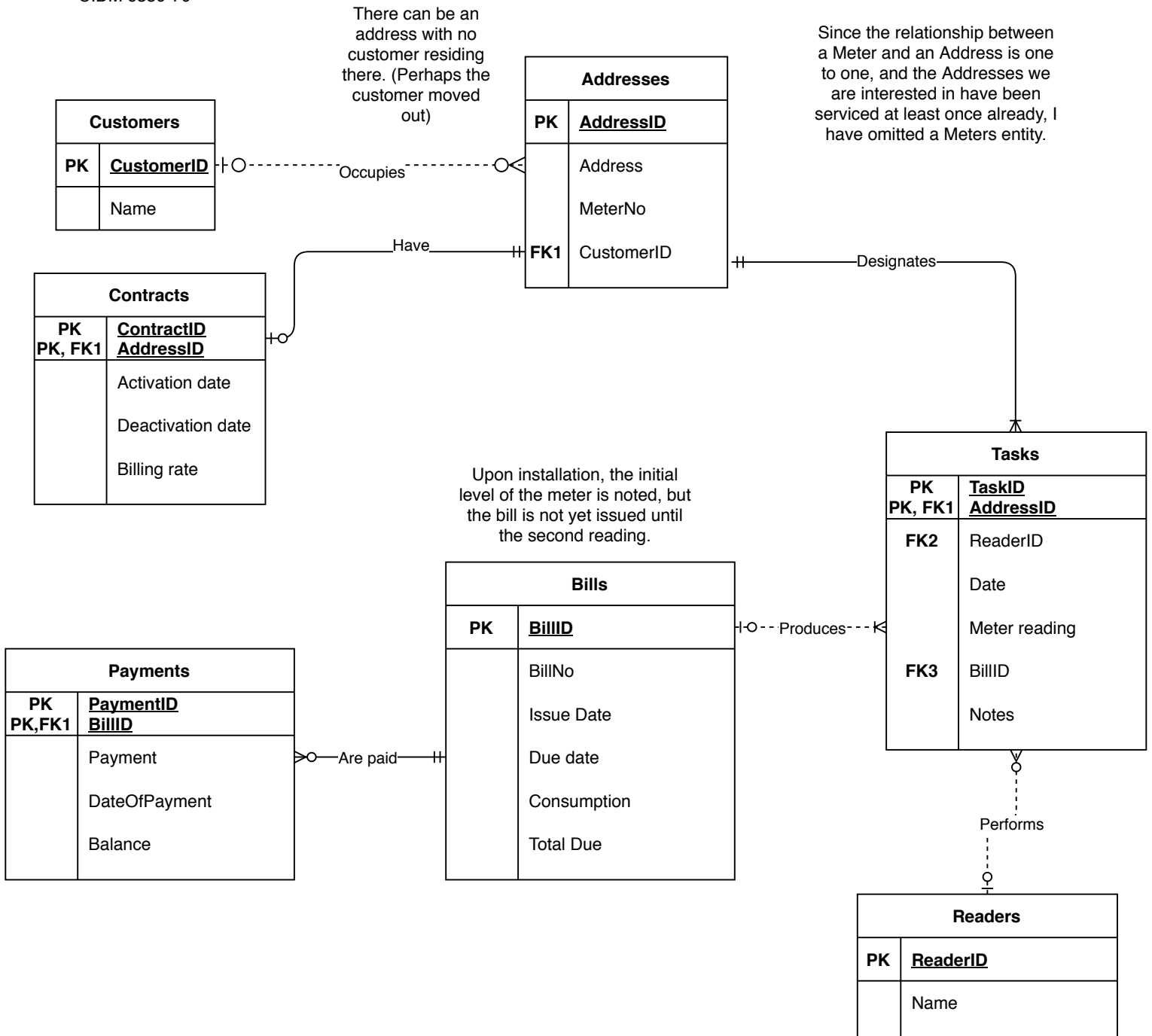Jose Cano (1058360)
CIDM 6350-70

There can be an address with no customer residing there. (Perhaps the customer moved out)

Since the relationship between a Meter and an Address is one to one, and the Addresses we are interested in have been serviced at least once already, I have omitted a Meters entity.

Customers

PK	**CustomerID**
	Name

Addresses

PK	**AddressID**
	Address
	MeterNo
FK1	CustomerID

Occupies

Have

Designates

Contracts

PK PK, FK1	**ContractID** **AddressID**
	Activation date
	Deactivation date
	Billing rate

Upon installation, the initial level of the meter is noted, but the bill is not yet issued until the second reading.

Bills

PK	**BillID**
	BillNo
	Issue Date
	Due date
	Consumption
	Total Due

Produces

Tasks

PK PK, FK1	**TaskID** **AddressID**
FK2	ReaderID
	Date
	Meter reading
FK3	BillID
	Notes

Payments

PK PK,FK1	**PaymentID** **BillID**
	Payment
	DateOfPayment
	Balance

Are paid

Performs

Readers

PK	**ReaderID**
	Name

A reader may not yet have a task, and a task may not yet have a reader.