Relational Mapping

client

CID	Client_Sex	Client_BD	Client_FirstName	Client_LastName

clientA

CID	Client_Address

clientP

CID	Client_PHNO

clientE

CID	Client_Email

[ayment

PID	COID	CID	DID	P_Date

employee

EID	E_Type	E_Sex	E_Name	E_BD	DID

eEmail

EID	E_Email

ePHNO

EID	E_PHNO

eAddress

EID	E_Address

department

DID	D_Name	LID

location

LID	Latitude	Longitude

transportationVeh

TID	EID	DID	LID	VIN	V_Make

typeOW

TOID	Pincode	Quantity	Waste generation date	Waste_Type

consumer

COID	Consumer_Name

consumer PHNO

COID	Consumer_PHNO

consumer Email

COID	Consumer_Email

consumer Address

COID	Consumer_Address

generates

CID	Waste_Weight	TOID

collection

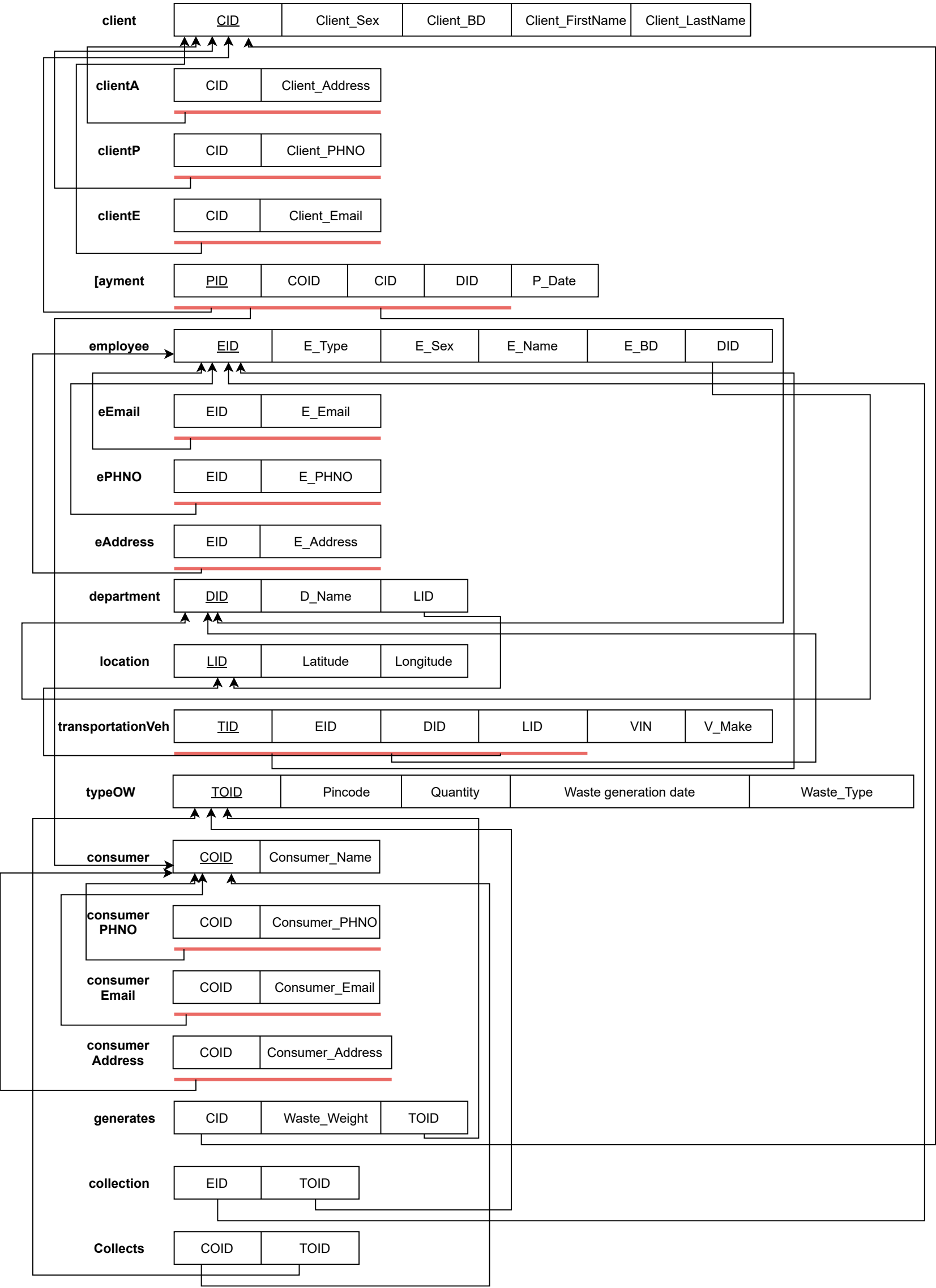| EID	TOID

Collects

COID	TOID

Candidate Key

Client – CID

Payment – PID

Department – DID

Employee – EID

Transportation Vehicle – TID, VIN

Location – LID

Types of Waste – TOID

Consumer – COID

Functional Dependency

CID → Client_BD, Client_FirstName, Client_LastName, Client_Sex

PID → P_Date

EID → E_BD, E_Name, E_Sex, E_Type

DID → D_Name

TID → VIN

VIN → TID

LID → Latitude, Longitude

TOID → Pincode

COID → Consumer_Name