

Entity Relationship Diagram

Client Objects

User_id	
PK	<u>login_id</u> int NOT NULL
FK1	client_id int NOT NULL

Client	
PK	<u>client_id</u> int NOT NULL
	UEN char(50)
	company_name char(50) NOT NULL

Address	
PK	<u>address_id</u>
	add_row1
	add_row2
	country

Contact	
PK	<u>contact_id</u>
	name
	email_id
	phone_no

owner	
PK	<u>owner_id</u>
	name
	position
FK1	address_id
FK2	contact_id

Bank_Account	
PK	<u>UniqueID</u>
	bank_name char(50) NOT NULL
	account_no int NOT NULL
	Row 3

Client_Address	
PK	<u>UniqueID</u>
FK1	client_id int not NULL
FK2	address_id

Client_Contacts	
PK	<u>UniqueID</u>
FK1	client_id int NOT NULL
FK2	contact_id int NOT NULL

Client_Owner	
PK	<u>UniqueID</u> int NOT NULL
FK1	client_id int not NULL
FK2	owner_id int NOT NULL
	position char(50) NOT NULL

Client_Bank	
PK	<u>UniqueID</u>
FK1	client_id int not NULL
FK2	bank_account int NOT NULL
	Active char(50)

Transactions	
PK	<u>order_id</u> int NOT NULL
FK1	client_id int NOT NULL
	order_date date NOT NULL
FK2	merchant_id NOT NULL
	product char(50) NOT NULL
	quantity int NOT NULL

Merchant Objects

Merchant	
PK	<u>merchant_id</u>
	UEN
	Row 2
	Row 3

Merchant_Address	
PK	<u>UniqueID</u>
FK1	merchant_id int not NULL
FK2	address_id int NOT NULL

Merchant_Contacts	
PK	<u>UniqueID</u>
FK1	merchant_id int NOT NULL
FK2	contact_id int NOT NULL

Merchant_Owner	
PK	<u>UniqueID</u> int NOT NULL
FK1	merchant_id int not NULL
FK2	owner_id int NOT NULL
	position char(50) NOT NULL

Merchant_Bank	
PK	<u>UniqueID</u>
FK1	merchant_id int not NULL
FK2	bank_account int NOT NULL
	Active char(50)