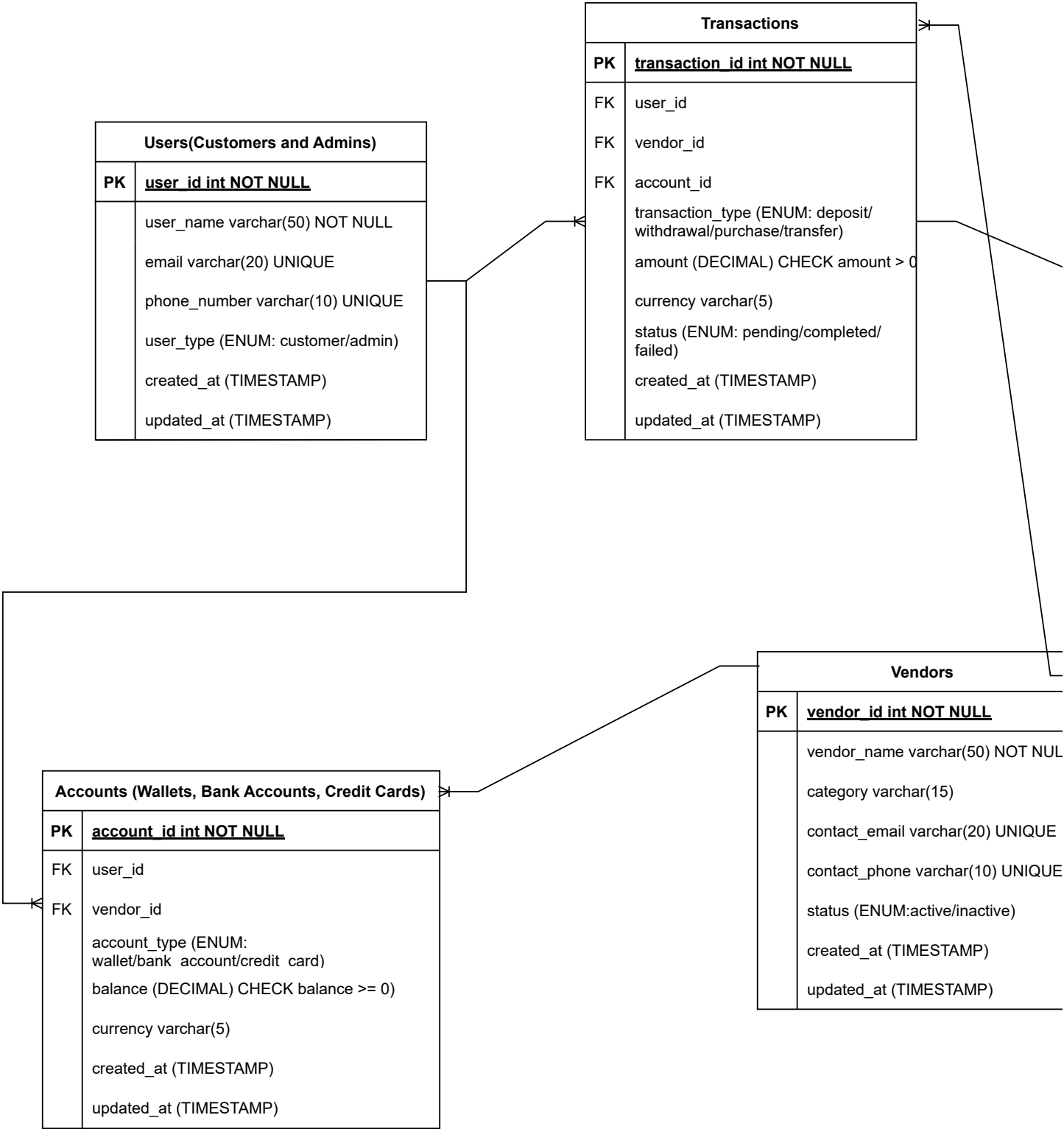


Users(Customers and Admins)	
PK	<u>user_id int NOT NULL</u>
	user_name varchar(50) NOT NULL
	email varchar(20) UNIQUE
	phone_number varchar(10) UNIQUE
	user_type (ENUM: customer/admin)
	created_at (TIMESTAMP)
	updated_at (TIMESTAMP)

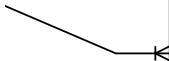
Transactions	
PK	<u>transaction_id int NOT NULL</u>
FK	user_id
FK	vendor_id
FK	account_id
	transaction_type (ENUM: deposit/ withdrawal/purchase/transfer)
	amount (DECIMAL) CHECK amount > 0
	currency varchar(5)
	status (ENUM: pending/completed/ failed)
	created_at (TIMESTAMP)
	updated_at (TIMESTAMP)

Accounts (Wallets, Bank Accounts, Credit Cards)	
PK	<u>account_id int NOT NULL</u>
FK	user_id
FK	vendor_id
	account_type (ENUM: wallet/bank account/credit card)
	balance (DECIMAL) CHECK balance >= 0
	currency varchar(5)
	created_at (TIMESTAMP)
	updated_at (TIMESTAMP)

Vendors	
PK	<u>vendor_id int NOT NULL</u>
	vendor_name varchar(50) NOT NUL
	category varchar(15)
	contact_email varchar(20) UNIQUE
	contact_phone varchar(10) UNIQUE
	status (ENUM:active/inactive)
	created_at (TIMESTAMP)
	updated_at (TIMESTAMP)



Market Data (Stocks, Crypto, FX Rates)	
PK	<u>market_id</u> int NOT NULL
	asset_name varchar(50)
	symbol varchar(15)
	price decimal
	timestamp (TIMESTAMP)



Audits	
PK	<u>audit_id</u> int NOT NULL
FK	user_id
FK	transaction_id
	action_type varchar(15)
	ip_address varchar(20)
	created_at (TIMESTAMP)

