Accounting database

Database includes Users, UserAddresses, Usercontactdetails, Clients, Vendors, Billingterms, CreditTerms, USersLogs, Transactions, Items, Accounts and Transactions Type tables/entities.

* Users include basic information like first name, last name, username, password, tax id
* Useraddresses includes address information
* Usercontactdetails includes phones, emails, webaddress
* Clients, includes client number and terms
* Vendors includes vendor number and terms
* Billingterms includes vendor’s credit information
* Creditterms includes clients credit information
* Transactions include information about invoices, customer payments, checks, bills, journal entries.
* Items are standard product descriptions, including price, which are sold to customers or purchased from vendors.
* Accounts is a table which includes chart of accounts.
* Transaction types includes allowed transactions and information how they must be posted to accounts, using items.

Relations between those entities should follow:

- a transaction can have only one user and one transaction type, it can include many items and can affect many accounts.

- There could be many transactions with the same transaction type

- One transaction can have many items, but one item has to relate to one transaction only

- One transaction can change many accounts, and one account can affect many transactions

- Only one account can be assigned to an item, there could be many items assigned to one account.

- One billing term can be assigned to many vendors, but a vendor can have only one billingterm

- One credit term can be assigned to many clients, but a client can have only one credit term

One users, can have many addresses and many contact details and many log entries.

It should be easy to add more components to this database like sales tax, inventory, payroll.