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Project Description:

Ravise according to feedback need to resubmi-

Our project will replicate the services that a typical brokerage firm would provide to investors. The database will allow brokers in the firm to access their client's personal information and account information, access investment trading history of a particular broker, as well as query a client's history of past statements, and similarly a broker's commissions. The database also provides the transaction data of every client account under the firm, such as their withdrawal and deposit history. All of the particular trades that are executed by a broker are also related to the type of investment products the brokerage firm has open to their clients. All of the entities provided in our database are focused for the primary use of a broker, as well as very simple client usage for transaction information. The database is designed for the most optimal broker usability.

Entity sets, Relationship sets, Business Rules:

Brokers:

Brokers have composite primary key: first name, last name, DOB(date of birth)

Attributes consist of {first name, last name, DOB, type}

relation-ships get?

2 Clients:

Clients have a composite primary key: first name, last name and SSN

Attributes consist of {first name, last name, DOB, SSN, address, phone number}

Each Client has at least one Account

3 Account:

Accounts have a primary key: Account ID (aid)

Attributes consist of {aid, type, IRS status}

Each Account has exactly one Statement (per time period) diagram Seems Correct but rades:

Trades have a primary key: Trade ID (trid)

4 Trades:

• Attributes consist of {trid, type, action, shares, price, date}

Each Trade is made by exactly one Broker

Each Trade is exactly one type of Investment Product

S Commissions:

Commissions have a primary key: Commission ID (cid)

Attributes consist of {cid, amount, type, date}

Each Commission is received by exactly one Broker

6 Statements:

Statements have a primary key: Statement ID (sid)

Attributes consist of {sid, date, type}

Each statement is received by exactly one Account

Transactions:

• Transactions have a primary key: Transaction ID (tid)

Attributes consist of {tid, type, action, amount, date}

Each transaction is made by exactly one Account

Investment Products:

Investment products have a primary key: Investment ID (iid)

 Attributes consist of {Investment ID (iid), investment type, custom modification(custmod), Qualified Investor(qualinv)}

Each Investment Product is exactly one type of Trade

Primary key is a term used in relational model. In ER just

