The design of database system is as such that it enables a **stock broker** to make transactions for his/her **client**. The **stock broker** can have zero or more **clients**. Each **client** can have one or more **transactions** but each **transaction** can be made by only one **client**. Each **client** is further associated with one or more **depository**(ies) and each **depository** can have zero or more **clients**. **Transactions** are made of shares which belong to a **company**. Each **company** has its own share. Each **company** can give its share to zero or more **clients** and each **client** can have shares of zero or more **companies**. Also, each **transaction** can have only one **company**’s share but each **company** can be in zero or more **transactions**.

Each **transaction** has some requirements: Transaction id (t\_id), Client id(client\_id), Company code (code), Date (date), Time (time), Type (type), Buy price (buy\_p), Sell price (sell\_p), brokerage (bkg), Service tax (s\_tax), Quantity (qty) and Total (ttl)

Each **client** has some attributes:

Client id(client\_id), Name (name), Phone number (ph\_no), Email id (email), Address (address), Id proof (id\_prf), Id proof number (id\_prf\_no), Pan number (pan\_no), Account number (acc\_no), Depository id (dp\_id)

Each **depository** has data:

Depository id (dp\_id), Depository name (dp\_name), Depository (depository)

Each **company** has:

Company code (code), Commpany name (name), Company id (id)