Case 2: TrueTrade
Story:
Your client is a stock-exchange company. The background story is as below:
TrueTrade provides excellent financial services to customers all over the world. Customers can buy/sell stock via TrueTrade easily and securely. TrueTrade also provides detailed information for every stock so customers can make the best decision.

ER Model:
After confirming with the client, possible entities and their attributes, identifiers are:
• Stocks: *stock#, companyName, exchangeMarket, description
• Customers: *customerID, name, phone, email, address
• Portfolio: customerName, currentValue
• Logs: *stock#, *date, openPrice, closePrice
• Transactions: *TransactionID, customerID, Portfolio, stock#, quantity, price, date, time
The relationships among these entities are based on my assumptions - I'll discuss with the client later on and make necessary modifications.
• A customer must have one or more portfolios, and a portfolio must belong to one and only one customer.
• A portfolio may have one or more stocks, and a stock may belong to one or more portfolios.
• A stock must have one or more logs, and one log must belong to one and only one stock
• A customer may have one or more transactions, and each transaction must be done by one and only one customer
• A portfolio may be in one or more transactions, and each transaction must include one and only one portfolio
• A transaction must have a stock, and a stock may be in one or more transactions.
ERD
Draw the ERD based on above ER Model.