Entity Relationship Diagram
100 points

Use the following information to draw an entity relationship diagram. You must label all entities and relationships including primary keys(which should be underlined), indicate cardinality for all relationships and clearly define any assumptions. Your ERD should fit on an 8 ½ by 11 sheet of paper. On a second page, write each entity and below it list all of the fields. Any relationships that have data associated with them should also be listed.
You should use a drawing program of some sort and turn in a pdf of your assignment on Blackboard. Any handwritten or illegible assignments will not be graded and will receive a 0.

Design a database for a small company(Tools for You) that rents tools. These tools can be small hand tools like hammers and screw drivers, as well as electric drill motors and saws. Tools for You also rents larger tools like sewer augers, floor sanders, rototillers and so on. If you need a tool and they don't have it, they will try to find it for you.

For each tool they need to keep track of
  • what kind of tool
  • how many are owned by Tools For You
  • how many are currently rented and to whom they are rented
  • the cost of the rental, and time period (like a day, ½ day, 2 hours)
  • the company Tools for You bought the tool from originally
  • the original cost

They also need to keep contact information for each person who has ever rented a tool and if they are currently renting something. If a renter wishes they can have a credit/debit card on file to speed up check out when renting a tool.

Tools for You must have contact information for each of their vendors, including who is the sales rep they work with.

Tools for You currently would also like you to include employee information like pay rate and hours worked in addition to basic contact information.