A2-20171-dbs301- design. Due before midnight Friday week 9

**MUST be in the format of CROWS FEET as shown below. This notation is a self-study portion if you don't already know it there are partial examples below**

This case involves a Database creation for a real estate agency owned by Sandy Zh. In fact, his agency is so small that he is the only agent in the company. He does have a part-time data entry assistant. He wants to have a database that will keep track of key information.

**PLEASE READ CAREFULLY: You are designing to meet the needs of the agency, and not just what you think it needs. To do that you MUST have your team start the discussion with the owner, Sandy Zh, when you have an almost completed solution. From there you still need to confirm your progress.**

**How is this done? Getting your group together with 2 copies of your design. At the top will be the names, emai address and student id of the members in the group along with your design in-progress. The meeting with Sandy Zh will discuss your thinking and make suggestions and improvements. One copy will be left with Sandy Zh as notes.**

The agency needs to store information about each property. The address (street, city, province and postal code), # of bedrooms, # of bathrooms, square footage of home and the listing price. Some properties are single-family or semi-detached homes etc. For those types of housing the lot size is required. Other properties are condos (townhouses or apartments) and it is important to know the monthly maintenance fee.

Information about the area in which each property is located is also important. Sandy wants to track the name of the area, along with the names of the schools. Those include the high schools, elementary schools and middle schools. He wants to store also general comments about the area.

Sandy advertises heavily. He uses a variety of advertising outlets such as newspapers, magazines, radio, flyers and Web sites to advertise properties he is selling. He wants to track which advertising outlet is being used and the type of advertising used to promote each property. That advertising may repeat several times (in the same outlet) with the same property.

He also wants to know when each ad was placed and how much does it cost. And of course he will store the name and main phone number of the advertising outlet.

He wants to store information about each client as well like: first and last name, main contact number and e-mail address. And he must know who is selling and who is buying the property.

**It is possible that property is shared by two or more people, and therefore Sandy needs to know who owns what Pct (percentage) of the ownership. Finally, he will record the Actual (or Buying price) for each property sold.**

Sandy also pays clients for referring other people to his agency. When such a referral results in a sale, he pays the referring client a small cash fee, usually a $200 gift certificate.

Finally, Sandy sometimes sells properties that are listed by other agencies. For this case he wants to know which agency listed the property by tracking its name and main phone number.

NOTE: You are supplying an ERD diagram ONLY. Use meaningful names for all attributes and use # symbol for Primary Key and use FK for Foreign Key.

Two examples of Crows feet design notation

Learn it in a self-study section. Look inside these slides

Les08-Self Study-Data-Modeling-Notation



