**QUE:** You have been asked to provide a high-level view of how you would create a data warehouse for an auto insurance company.

Below is a view of the OLTP database please describe how you would process data from this system into a data warehouse.  I have discussed this on videos on Friday night as to what I am expecting.

You should provide a diagram / description etc.  Think of this as if you were asked to review the model below as part of a job interview and need to explain everything you know about data warehouse design in your answer.

Diagram

Description automatically generated

**ANSWER:**

The first crucial step to building warehouse is Requirement Gathering. From where, we can get insights of problems and according to that we can address expectations of users, stakeholders and expected benefits. For that, Collect some of requirements such as technical requirements, Data requirements, Business Requirements, Regulatory Requirements, Functional Requirement. There’re also some tools for Requirements gathering.

After collecting requirements, establish success and value criteria, prioritize collected requirements which helps to build technical case. In prioritizing requirements, it’s not necessary to give 100% priority to every requirement. Some are prioritized as Must-have category whereas some are as nice-to-have but not very important.

Furthermore, we’ve to do data preparation, data franchising steps. To prepare, format and clean the data we’ve to do data preparation and into data mart and cubes using data Franchising.

A piece of paper with writing on it

Description automatically generated with medium confidence

Next step is to make Slowly Dimension Change model, which helps to maintain help data which are changing slowly time by time but not between Fixed duration like weekly, monthly.

In above diagram, I created the snowflake model for storing the data in data warehouse.

During development of data warehousing, we’ve to ensure Metadata management using data Profiling.