**Scalable Databases**

**CRN 72385- CS673**

**Final Project**

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**Problem Statement:**

Predicting the Selling Price of used cars based on various features.

**Objective:**

The goal is to build a predictive model that can estimate the Selling Price of a car given its characteristics, enabling users to make informed decisions when buying or selling used cars.

**Explain how Graph Data base is best fit for your problem:**

A graph database may not be the most suitable choice for the problem of predicting the Selling Price of used cars. Graph databases are typically advantageous for scenarios involving complex relationships between entities, such as social networks or hierarchical structures. In contrast, predicting car prices based on various features is a regression problem that is better addressed using traditional relational databases or machine learning techniques.

**Model your Graph Data base:**

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**Create Nodes, properties for nodes, label them and define the relationships between the nodes:**

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**Cleanse your data if there are any null values:**A screenshot of a computer

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**Transform your data:**

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**Perform aggregation operations:**

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**Query your data base:**A screenshot of a computer

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**Conclusion:**

The analysis of the car dataset provides valuable insights into the factors affecting car prices. Key variables such as year, selling price, present price, and others exhibit notable trends. Fuel type, seller type, and transmission also contribute to price variations. Further analysis and machine learning models can enhance our understanding and facilitate more accurate predictions of car prices based on these features.