**Initial Proposal for SQL Database Structure on Tesla Car Models and Sales Data**

Hello Team,

I am excited to share my initial proposal for our SQL database project. Our goal is to capture and analyze data on Tesla car models and the corresponding sales performance for the year 2022. Below are the proposed structures for our two primary tables, including a brief explanation of each field.

## Table 1: TeslaCarModels

This table is intended to store detailed records of Tesla's car models.

**Proposed Table Structure:**

| Field | Data Type | Description |
|---|---|---|
| ModelID | INT | A unique identifier for each car model. |
| ModelName | VARCHAR | The commercial name of the Tesla model. |
| BatterySize | INT | The capacity of the car's battery in kWh. |
| RangePerCharge | INT | The estimated range the car can travel on a full charge. |

**Example SQL Statement for Table Creation:**

CREATE TABLE TeslaCarModels ( ModelID INT AUTO_INCREMENT PRIMARY KEY, ModelName VARCHAR(50), BatterySize INT, RangePerCharge INT );

## Table 2: TeslaSales2022

This table will document the sales data for Tesla cars in the year 2022.

**Proposed Table Structure:**

| Field | Data Type | Description |
|---|---|---|
| SaleID | INT | A unique identifier for each sale transaction. |
| ModelID | INT | Reference to ModelID from TeslaCarModels. |
| QuantitySold | INT | The number of units sold. |
| CarSalePrice | DECIMAL(10,2) | The sale price of an individual car. |
| SaleDate | DATE | The date on which the car was sold. |

**Example SQL Statement for Table Creation:**

CREATE TABLE TeslaSales2022 ( SaleID INT AUTO_INCREMENT PRIMARY KEY, ModelID INT, QuantitySold INT, CarSalePrice DECIMAL(10, 2), SaleDate DATE, FOREIGN KEY (ModelID) REFERENCES TeslaCarModels(ModelID) );

**Sample Data for Initial Insertion:**

To kickstart our database, I suggest we insert the following mock records:

*For TeslaCarModels:*

| ModelName | BatterySize | RangePerCharge |
|---|---|---|
| Model S | 100 | 405 |
| Model 3 | 75 | 350 |
| Model X | 100 | 360 |
| Model Y | 75 | 300 |

*For TeslaSales2022:*

| ModelID | QuantitySold | CarSalePrice | SaleDate |
|---|---|---|---|
| 1 | 140 | 89900 | 2022-08-15 |
| 2 | 320 | 48900 | 2022-05-20 |
| 3 | 85 | 104900 | 2022-03-11 |
| 4 | 200 | 57900 | 2022-11-22 |

I am looking forward to your thoughts and feedback on this initial design. Your insights will be invaluable in refining our database to ensure it serves our analytical needs effectively.

Warm regards,

Avinash