**Object-Oriented Programming Final Project**

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**Proposal for Car Sales Management Application:**

We propose to develop an application for car-selling companies that simplifies the process of managing car inventories and enhances customers' buying experience. This application will be designed with a clean, intuitive user interface, making it accessible to users of varying technical skill levels.

**Design:**

The application will be divided into two types of modes: **User Mode** and **Company Mode**. In **User Mode**, user will be able to buy one car at a time, browse all types of cars available, search with a price that falls in the given price range, and search for cars with a particular name. In **Company Mode**, the company employee will be allowed to add a new car to list, delete one existing car from the list, browse all cars available, and get the total revenue obtained from the sales.

**1. Buyer Mode**

Upon choosing "Buyer mode", users will be directed to a new page where they can are displayed with the following options. The required details may include:

* Buy a Car
* Browse all Cars.
* Search by Price Range
* Search by Car Types
* Search by both

**2. Company Mode**

By choosing the "Company Mode", company employee will be directed to a new page where they can are displayed with the following options. The required details may include:

* Add Cars
* Delete Cars
* Browse all Cars.
* Get Total Revenue

Each option facilitates easy navigation through the inventory. Selecting a car through any of these options will allow the user to proceed with the purchase, automatically deducting one from the stock in the CSV file. This ensures the inventory is always up-to-date and reflects current stock levels.

**Conclusion**

This application promises to streamline the process of managing car inventories and simplify the buying process, making it more efficient and user-friendly. By implementing this solution, your company can expect an improved operational workflow and enhanced customer satisfaction.