**OOP Project Car Dealership System**

**Section Number: 95993**

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Summary

This project aims to develop a comprehensive car dealership system, where users/Employees can buy, sell, repair, and rent cars. This project will be implemented in C++ language.

Project Objectives and Key Features

* Create and display a list of available cars to be purchased or rented with some relevant information like car conditions.
* User and Employee authentication system along with account generation and data collection.
* A system to order new cars, parts, and commodities.
* Create a list to display cars which are currently rented, their current renter’s name and the date when they will be returned.
* An expandable list of all employees along with a system to restrict access of designated employees from certain features which are reserved to higher officials.
* Customer management system with features to collect, edit, and display customer data and purchase history.
* Car service and repair history which is editable by designated employees.
* Vehicle history report including prior accidents and customers.
* A program to identify popular cars, facilities, and spare parts.
* Inventory management system separate for cars and parts.
* Booking and reservation system for rental cars.
* User reviews for used cars.
* A system to add and remove cars from the list, in case of someone buying the car or the dealership buying a new car.
* A dealership balance tab, and displaying total sales and profit within the last 30 days or 1 year.

Technical Specifications

Programming Language: C++ will be utilized for its performance advantages

Conclusion

This car dealership system aims to deliver a reliable user experience with many functionalities. It will be made with C++ Language.