Vehicle Management System

1. Introduction

The Vehicle Management System is a simple command-line program designed to manage and record vehicle transactions. The system allows users to add vehicles, set custom prices, view total records, and delete records. The primary goal is to provide a basic tool for managing vehicles and tracking associated financial transactions.

2. Features

The key features of the Vehicle Management System include:

- **Add Vehicles:** Users can add vehicles (Bike, Rickshaw, Car) to the system, with associated prices.

- **Set Prices:** Users can customize the prices for each type of vehicle.

- **Display Total Records:** The system displays the total count of each vehicle type and the overall financial summary.

- **Delete Records:** Users can reset the system by deleting all records.

3. Implementation

The project is implemented in C programming language. The core components of the system include:

- **Arrays:** Utilized arrays to store vehicle counts and prices efficiently.

- **Functions:** Modularized the code using functions for distinct functionalities like adding vehicles, setting prices, displaying records, and deleting records.

- **User Input:** Incorporated user input for choices and prices, enhancing user interaction.

4. Usage

To use the Vehicle Management System, follow these steps:

1. Run the program.
2. Choose options from the menu (1-7) to perform desired actions.
3. For adding vehicles (1-3), the system will prompt for vehicle type.
4. For setting prices (4), the system will prompt for new prices.
5. For displaying total records (5), the system will show the current counts and total amount.
6. For deleting records (6), the system will reset all counts and amounts to zero.
7. Choose option 7 to exit the program.

6. Conclusion

The Vehicle Management System provides a simple yet effective solution for managing vehicle records. It serves as a foundation for further improvements and enhancements to meet evolving user needs.

Github link : https://github.com/refat23120/car-parking