**Transport Management System in C**

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**Introduction:** The purpose of this project is to design and implement a Transport Management System in C programming. The system aims at facilitating communication between transport administrators, users, and disseminating notices effectively.

**Motivation:** The decision to develop this Transport Management System arose from identified challenges in existing transportation systems, including inadequate communication channels and inefficiencies in managing transport-related information.

**Project Specification:** The project consists of three modules i.e., admin login, user login and notice feature.

**Target Audience:** The audience for its use includes every single citizen which moves from one place to another either to earn or to greet the loved ones or moves to seek education.

**Problem Analysis**

* Inefficient communication between transport administrators and users.
* Lack of a centralized system for managing transportation-related information
* Absence of user-friendly interfaces for transport operations.

**Solution Design**

* **Admin Login**

**Functionality:** Enables transport administrators to access privileged system features.

**Features:** Manage Vehicles: Add, update, or remove vehicles from the system.

**Notice Management:** Create, edit, and delete notices for user display.

* **User Login:**

**Functionality:** Allows users to interact with the system.

**Features:** Vehicle Details: Access information about available vehicles.

**Seat Booking:** Reserve seats in available vehicles for specific routes.

* **Notice Feature:**

**Functionality: Facilitates notice dissemination within the system.**

**Notice Display:** Presents Admin-created notices to users.

**Real-time Updates:** Manages notice updates or removal for user display.

* **Data Handling:**

**File Operations:** Utilizes file handling for storing and retrieving vehicle, notice, and user data.

**Data Integrity:** Ensures security and integrity of stored data.