



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.