

## Car Rental System Project

Developed a robust Car Rental System as part of an academic project, aimed at streamlining the process of renting cars. The system includes the following key features:

- **Car Information Management:** Class structures to handle car details such as name, model, color, manufacturing year, and rental prices per hour and per day.
- **Customer Information Management:** Class structures to manage personal information of customers renting the cars, including name, address, CNIC, and phone number.
- **Booking System:** Functionality to record and manage bookings, providing detailed information on booked cars exclusively for administrative access.
- **Menu Navigation:** Clear separation of functionalities between administrative and user access, allowing for streamlined operations and data management.
- **Input Validation:** Utilization of templates to ensure robust input validation, enhancing the reliability and accuracy of data entered into the system.
- **File Handling:** Integration of file handling capabilities to store and retrieve data, ensuring persistence and ease of data management across sessions.

This project demonstrates proficiency in C++ programming, object-oriented design principles, and practical implementation of features essential for a functional car rental service.