**JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY**

**Sector-128**

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**CAR RENTAL SYSTEM**

**Details of Team Members**

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**CAR RENTAL SYSTEM**

**Introduction:**

**Car Rental System**

This is a project for Car Rental System in c++. A user can perform many kinds of management tasks to manage rent and car records like adding a new car as well as modifying and removing it. Also, users can view all rental records, check car details as well as rent and change rent details from rental records. The system automates the basic car rental functions to aid in the day-to-day operations of a car rental staff. Also, the goal of the system is to allow for storing details of a large number of car details and allow for add, retrieve and update details of any car.

* **Add Car:** This operation is necessary when user adds a new car. This option takes inputs of car details.
* **Update Car Details:** This function updates details of car in the car records.
* **Remove Car:** This operation clears the existing record of a car from the records. So, be careful while performing this operation because the system could loose any important data.
* **List all cars:** Show all the available cars from the record of car rental system.
* **Check Car**
* **Rent a Car**
* **Modify Rent Records**

This system is a small project that implements only some of the complex features of car rental service. However, one can use this project to make complex system by adding more details/properties to the records as well as features and functions to the system.

**Objective:**

* To simplify the task of maintaining huge chunks of records of cars.
* To develop a database to store cars renting information.
* To provide functional report to management of car rental agency.

**Features:**

* LOGIN SCREEN
* PASSWORD
* CAR RETURNING FUNCTION
* ADD NEW CAR TO THE DATABASE
* DELETE RECORDS OF CAR
* SEE ALL ONGOING TRIPS
* SEE REGISTERED CARS

**Topics of SDF used:**

1. Header Files
2. Data Types
3. Exception handling
4. If-else statements
5. Do While loop/For loop/while loop
6. Switch case
7. Functions
8. Get function
9. File Handling
10. Manipulating buffer input and output stream
11. Getch function to push buffer window
12. Classes and objects concept
13. Friend function
14. Templates
15. Member function
16. OOPS properties --- >
17. Inheritance
18. Data hiding
19. Polymorphism

**FLOWCHART**