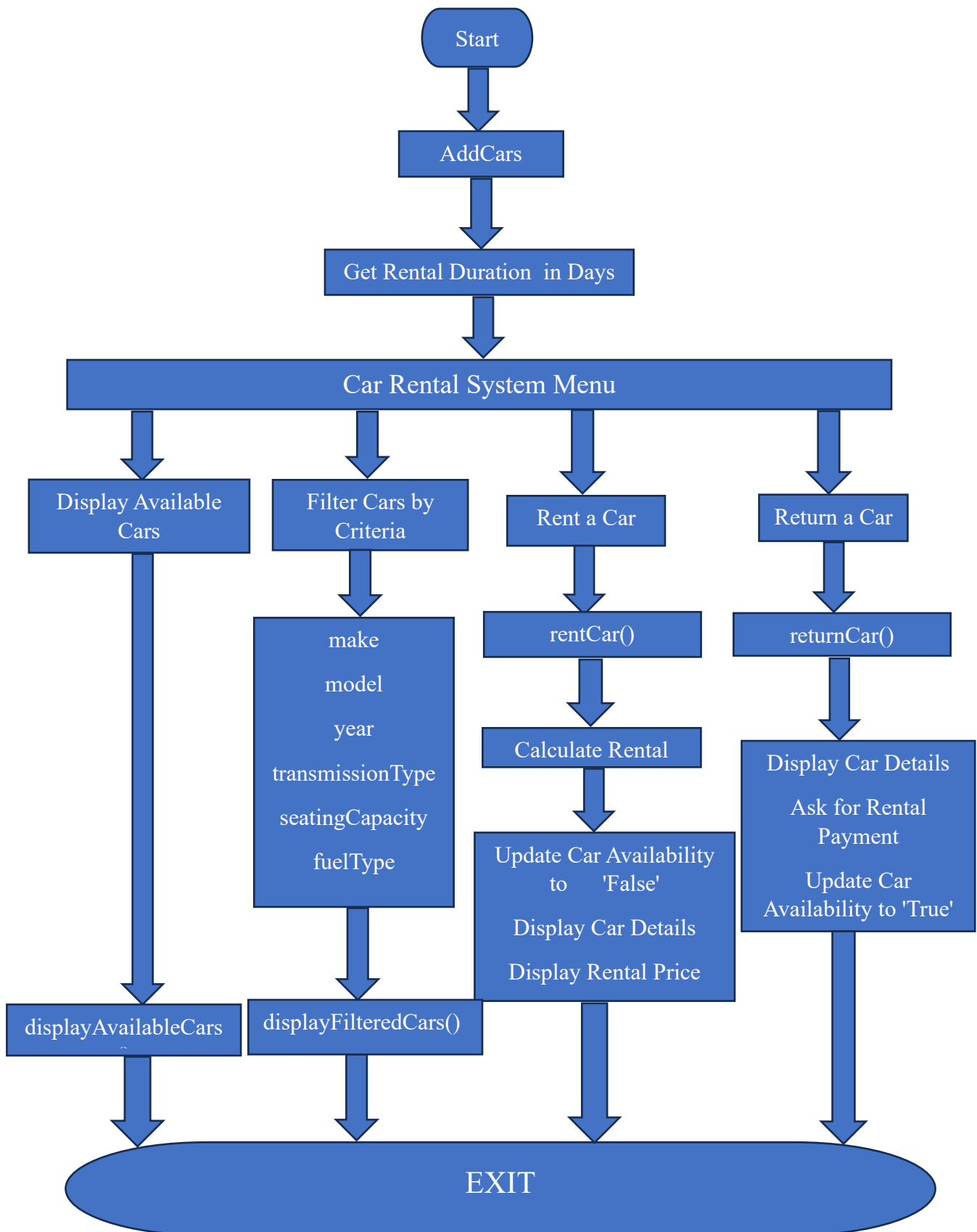


WORKFLOW FOR CAR RENTAL MANAGEMENT SYSTEM



WORKFLOW FOR CAR RENTAL MANAGEMENT SYSTEM

Workflow for the Car Rental Management System program:

1. Initialize the CarRentalSystem and populate it with some Car objects.
2. Take user input for the number of days they want to rent a car.
3. Enter the main menu loop to display options to the user.
4. Display available cars to the user by calling the `displayAvailableCars()` method.
5. If the user chooses to filter cars, enter the filter menu loop.
6. In the filter menu, the user can choose to filter cars based on make, model, year, transmission type, seating capacity, or fuel type.
7. Depending on the user's filter choice, call the `filterCars()` method to get a list of filtered cars and display the results using the `displayFilteredCars()` method.
8. If the user chooses to rent a car, take the car index and the number of days from the user and call the `rentCar()` method to rent the car. Display the details of the rented car and the total price.
9. If the user chooses to return a car, take the car index from the user and call the `returnCar()` method to return the car. Display the details of the returned car and the total price.
10. If the user chooses to exit, close the program.
11. The program will keep running in the main menu loop until the user chooses to exit (option 5).

This Car Rental Management System allows users to view available cars, filter cars based on specific criteria, rent a car, return a car, and exit the car rental system.

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