In [3]:

```python
from car_rental import CarRental
from customer import Customer

def main():
    shop = CarRental(20)
    customer = Customer()

    while True:
        print("""
        ====== Car Rental Service =======
        1. Display available cars
        2. Rent a car
        3. Return a car
        4. Exit
        """)

        choice = input("Enter choice: ")

        try:
            choice = int(choice)
        except ValueError:
            print("That's not an int!")
            continue

        if choice == 1:
            shop.display_stock()

        elif choice == 2:
            customer.rentalTime = shop.rent_car(customer.request_car(), cu
            customer.rentalBasis = customer.carCategory

        elif choice == 3:
            customer.bill = shop.return_car(customer.return_car())
            customer.rentalBasis, customer.rentalTime, customer.cars, cust

        elif choice == 4:
            break
        else:
            print("Invalid input. Please enter a number between 1-4.")

    print("Thank you for using the car rental service!")

if __name__ == "__main__":
    main()
```

```
        ====== Car Rental Service ======
        1. Display available cars
        2. Rent a car
        3. Return a car
        4. Exit

Enter choice: 1
We have currently 20 cars available to rent.

        ====== Car Rental Service ======
        1. Display available cars
        2. Rent a car
        3. Return a car
        4. Exit

Enter choice: 2
How many cars would you like to rent?2
Available car models:
1: Compact (Hourly: $10, Daily: $50, Weekly: $200)
2: Sedan (Hourly: $12, Daily: $60, Weekly: $250)
3: SUV (Hourly: $15, Daily: $75, Weekly: $300)
Choose a car model (Enter the corresponding number): 1
Choose a rental category (1: Hourly, 2: Daily, 3: Weekly): 1
You have rented 2 Compact car(s) on hourly basis today at 19:15:9
You will be charged $10 for each hourly per car.
We hope that you enjoy our service.

        ====== Car Rental Service ======
        1. Display available cars
        2. Rent a car
        3. Return a car
        4. Exit

Enter choice: 1
We have currently 18 cars available to rent.

        ====== Car Rental Service ======
        1. Display available cars
        2. Rent a car
        3. Return a car
        4. Exit

Enter choice: 3
Thanks for returning your car. Hope you enjoyed our service!
That would be $0

        ====== Car Rental Service ======
        1. Display available cars
        2. Rent a car
        3. Return a car
        4. Exit

Enter choice: 4
Thank you for using the car rental service!
```