Class UsedCarLot

java.lang.Object
    UsedCarLot

```
public class UsedCarLot
extends Object
```

Used car lot constructor

Constructor Summary

Constructors

Constructor	Description
UsedCarLot()	A method that sets the inventory param in UsedCarLot object to a new array list

Method Summary

All Methods   Instance Methods   Concrete Methods

Modifier and Type	Method	Description
void	addCar(int indexToAdd, Car carToAdd)	A public setter that adds a car to a specific index in the inventory array list
void	addCar(Car newcar)	A public method that adds a new car to the end of the inventory array list
ArrayList <Car>	getInventory()	Public getter method that returns the inventory array list
void	moveCar(int indexOfCarToMove, int destinationIndex)	A public void method that moves a Car object from its index to the destinationIndex
Car	sellCarNoShift (int indexOfCarToSell)	A public getter method that removes a Car object from the inventory array list and returns its memory location and does not shift the Car objects appropriately, instead it places a null value in the index of the remove car object
Car	sellCarShift (int indexOfCarToSell)	A public getter method that removes a Car object from the inventory array list and returns its memory location also

		and returns its memory location also shifts the Car objects appropriately
boolean	swap(int first, int second)	A public method that returns a boolean if the two Car objects swapped places successfully

Methods inherited from class java.lang.Object

clone , equals , finalize , getClass , hashCode , notify , notifyAll , toString , wait , wait , wait

Constructor Details

UsedCarLot

public UsedCarLot()

A method that sets the inventory param in UsedCarLot object to a new array list

Method Details

getInventory

public ArrayList <Car> getInventory()

Public getter method that returns the inventory array list

Returns:

The array list of all car added

addCar

public void addCar(Car newcar)

A public method that adds a new car to the end of the inventory array list

PRECONDITION: The new Car object is made correctly and 0 <= indexToAdd < inventory.size()

Parameters:

newcar - A new Car Object

swap

```
public boolean swap(int first,
                    int second)
```

A public method that returns a boolean if the two Car objects swapped places successfully

Parameters:

first - The index of the first car

second - The index of th second car

Returns:

Returns a boolean value that indicates if the swap was successful

addCar

```
public void addCar(int indexToAdd,
                   Car carToAdd)
```

A public setter that adds a car to a specific index in the inventory array list

PRECONDITION: The new Car object is made correctly

Parameters:

carToAdd - The car object that needs to be added

indexToAdd - The index where the Car objects needs to get added at

sellCarShift

```
public Car sellCarShift(int indexOfCarToSell)
```

A public getter method that removes a Car object from the inventory array list and returns its memory location also shifts the Car objects appropriately

Parameters:

indexOfCarToSell - Index of the Car object to remove and return

Returns:

Returns the removed Car object's memory location

sellCarNoShift

```
public Car sellCarNoShift(int indexOfCarToSell)
```

A public getter method that removes a Car object from the inventory array list and returns its memory location and does not shift the Car objects appropriately, instead it places a null value in the index of the remove car object

Parameters:

indexOfCarToSell - Index of the Car object to remove and return

Returns:

Returns the removed Car object's memory location

moveCar

```
public void moveCar(int indexOfCarToMove,
                    int destinationIndex)
```

A public void method that moves a Car object from its index to the destinationIndex

Parameters:

destinationIndex - The index of where the Car object is moved to

indexOfCarToMove - The index of the Car object that needs to be moved