**Pseudo Code:**

**POJO Class: (Car)**

public class Car {

private String vin;

private String make;

private String model;

private String color;

private int year;

Car(String vin, String make, String model, String color, int year) {

this.setVin(vin);

this.setMake(make);

this.setModel(model);

this.setColor(color);

this.setYear(year);

}

public String getVin() {

return vin;

}

public void setVin(String vin) {

this.vin = vin;

}

public String getMake() {

return make;

}

public void setMake(String make) {

this.make = make;

}

public String getModel() {

return model;

}

public void setModel(String model) {

this.model = model;

}

public String getColor() {

return color;

}

public void setColor(String color) {

this.color = color;

}

public int getYear() {

return year;

}

public void setYear(int year) {

this.year = year;

}

@Override

public String toString() {

return ("Vin: " + this.getVin() + " Make: " + this.getMake() + " Model: " + this.getModel() + " Color: " + this.getColor() + " Year: " + this.getYear());

}

}

**Main Class:**

public class Main {

ArrayList<Car> cars = new ArrayList<>();

public boolean isFound(String vin) {

return (null != retrieveCar(vin));

}

public Car retrieveCar(String vin) {

Car returnCar = null;

for (Car car : cars) {

if (vin.equals(car.getVin())) {

print("Vehicle with vin " + vin + " was found in inventory.");

returnCar = car;

}

}

return returnCar;

}

public void add(String vin, String make, String model, String color, int year) {

// If not found, add.

if (!isFound(vin)) {

cars.add(new Car(vin, make, model, color, year));

}

}

public boolean update(String vin, String make, String model, String color, int year) {

boolean successful = false;

Car car;

if (null != (car = retrieveCar(vin))) {

cars.set(cars.indexOf(car), new Car(vin, make, model, color, year));

successful = true;

}

return successful;

}

public boolean delete(String vin) {

boolean successful = false;

Car car;

if (null != (car = retrieveCar(vin))) {

successful = cars.remove(car);

}

return successful;

}

public void listInventory() {

print("Here is a list of our inventory:");

for (Car car : cars) {

print(cars.indexOf(car) + " " + car.toString());

}

}

}