Vehicle Application sequence Diagram

Dealer	VehicleTrackingApplication	VehicleTrackingController	Vehicle	DealerXMLParser	DealerJSONParser

launch(args)

new FXMLLoader().load()

parseDealerXML("Dealer.xml")

parse XML with DocumentBuilder

List<Dealer>

initialize() with PropertyValueFactory

handleAddVehicle()

loop [4 Input Dialogs]

showTextInputDialog()

type/price/make/model

new(type, "V"+size+1000, price, make, model)

currentDealer.addVehicle(newVehicle)

saveChanges()

saveDealerXML("Dealer.xml", dealers)

create Document with Dealers/Dealer/Vehicle nodes

saveToInfJson(allVehicles, "inf.json")

build JSONObject with car_inventory array

handleTransferVehicle()

currentDealer.getVehicles().remove(selected)

alt [Current is JSON Dealer]

dealers.stream().filter(!JSON)

Optional<Dealer>

xmlDealer.addVehicle(vehicle)

[Current is XML Dealer]

dealers.stream().filter(JSON).orElseGet()

Dealer("JSON Dealer")

jsonDealer.addVehicle(vehicle)

saveChanges()

saveDealerXML()

saveToInfJson()

handleloanVehicle()

getType().toLowerCase().trim()

type

alt [type == "sports car"]

showLoanRestrictionAlert()

setStatus("Unavailable")

handleSwitchDataSource()

alt [Current is JSON Dealer]

parseDealerXML("Dealer.xml")

XML dealers

parseCarInventoryJSON("carinv.json")

JSON vehicles

updateUI()

handleReturnVehicle()

setStatus("Available")

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