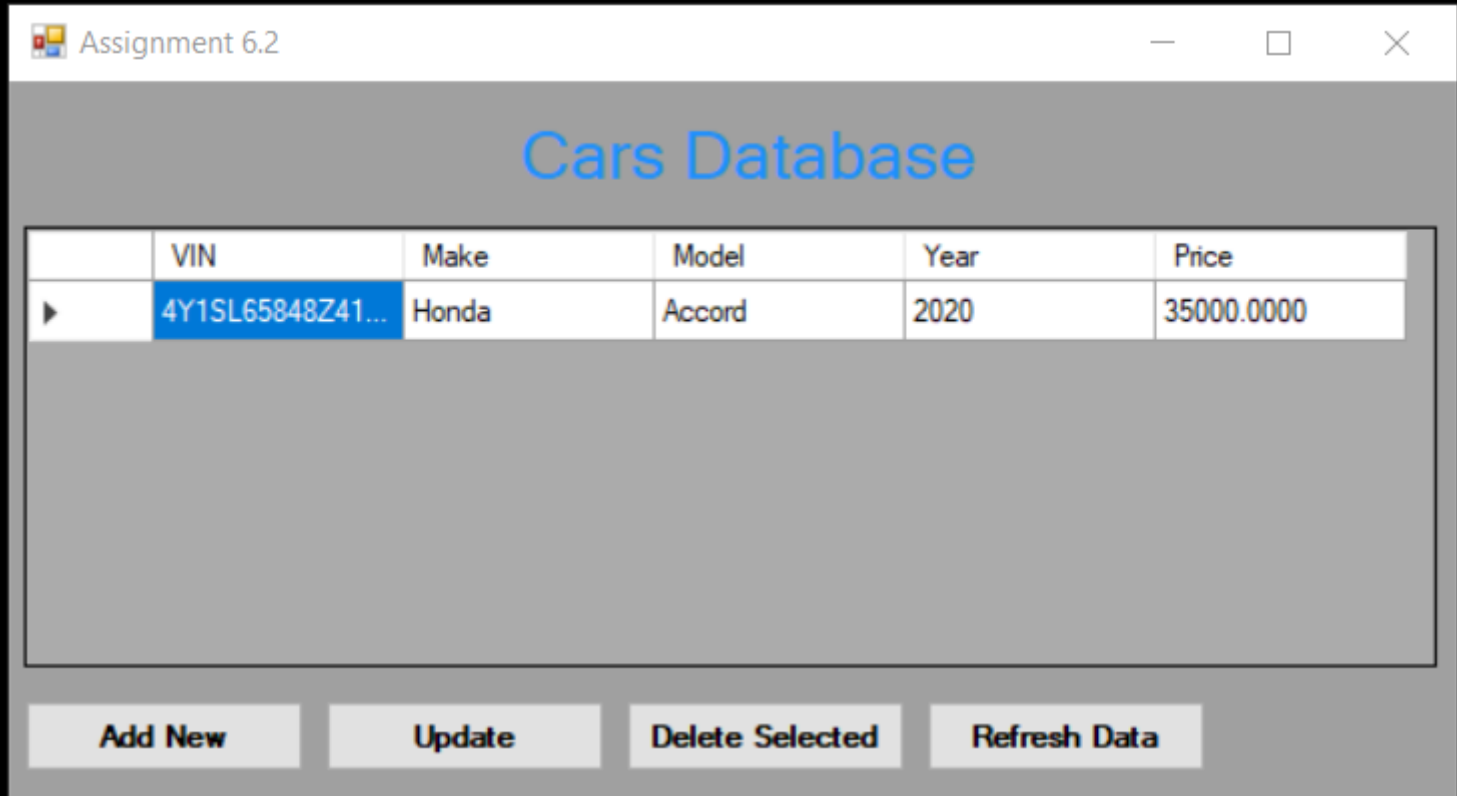


# By: Tai Huynh

## Assignment 6.2



Assignment 6.2

### Cars Database

	VIN	Make	Model	Year	Price
▶	4Y1SL65848Z41...	Honda	Accord	2020	35000.0000

Buttons: Add New, Update, Delete Selected, Refresh Data

### List of Features (CRUD):

- ✓ Repository of cars (Data from local SQL server)
- ✓ Add new car (validation)
  - ✓ All input fields must not be empty
  - ✓ Year consist of 2 to 4 digits
  - ✓ Price must be decimal format
  - ✓ Check duplicate before insert
- ✓ Select record to update data (populate form)
- ✓ Select record to delete
- ✓ Refresh data from the SQL server

# Empty Input Validation

Assignment 6.2

### Add a new car

VIN: 1GCEK19T07Z110345  
Make: Toyota  
Model:   
Year: 2021  
Price: 33000

Price
35000.0000

Model cannot be empty!

## Add a valid record

Assignment 6.2

### Add a new car

VIN: 1GCEK19T07Z110345  
Make: Toyota  
Model: Camry  
Year: 2021  
Price: 33000

VIN: 1GCEK19T07Z110345 record added to repository.

# Invalid Year Input

Assignment 6.2

Add a new car

VIN 1FAFP45XXF136250

Make Ford

Model F15

Year 5\_3

Price 45000

Submit Cancel

Year can only contain digits and no more than 4 digits long!

OK

Add New Update Delete Selected Refresh Data

# Invalid Price Input

Assignment 6.2

Add a new car

VIN 1FAFP45XXF136250

Make Ford

Model F15

Year 2022

Price 5ytf dgh

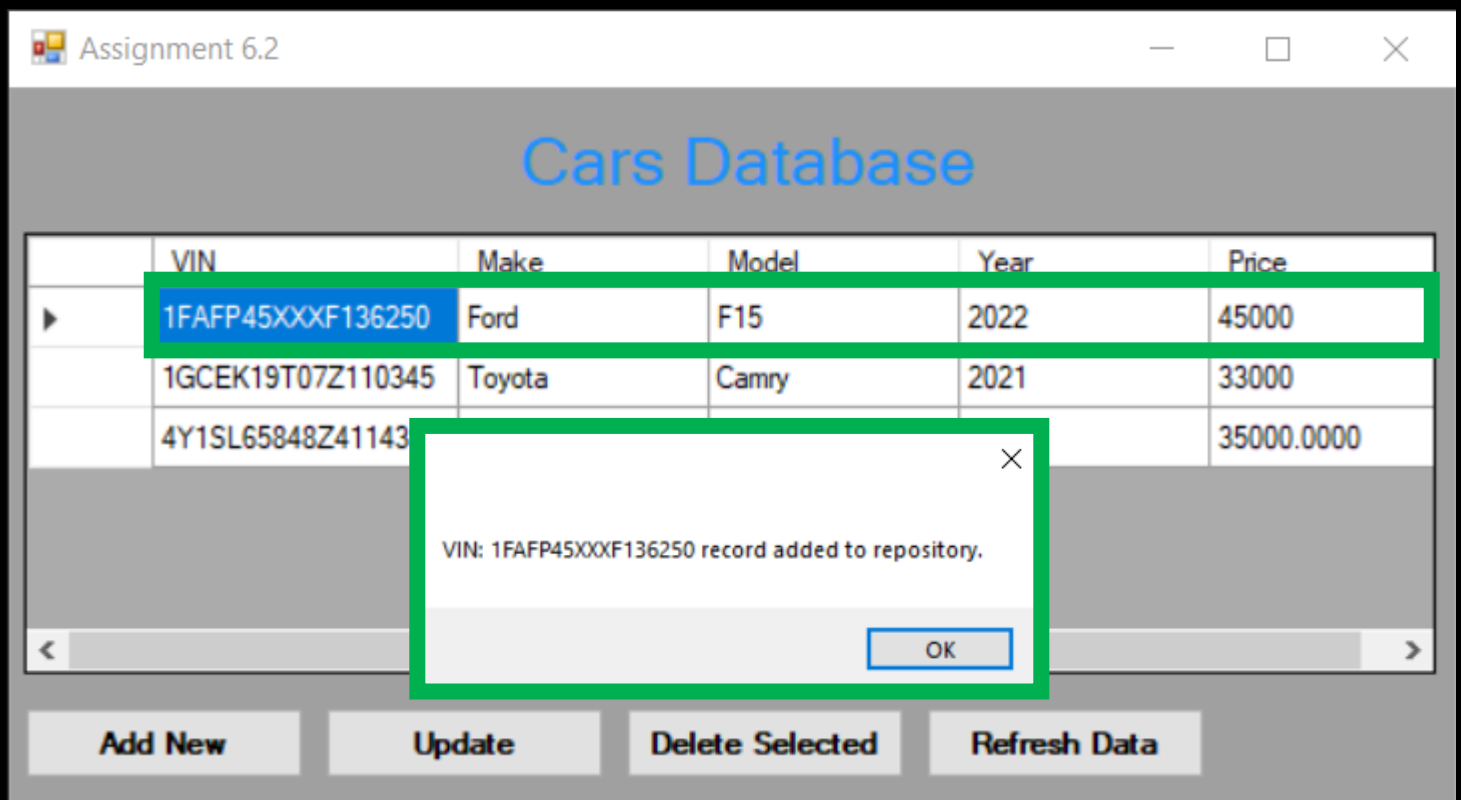
Submit Cancel

Price can only contain finance digits!

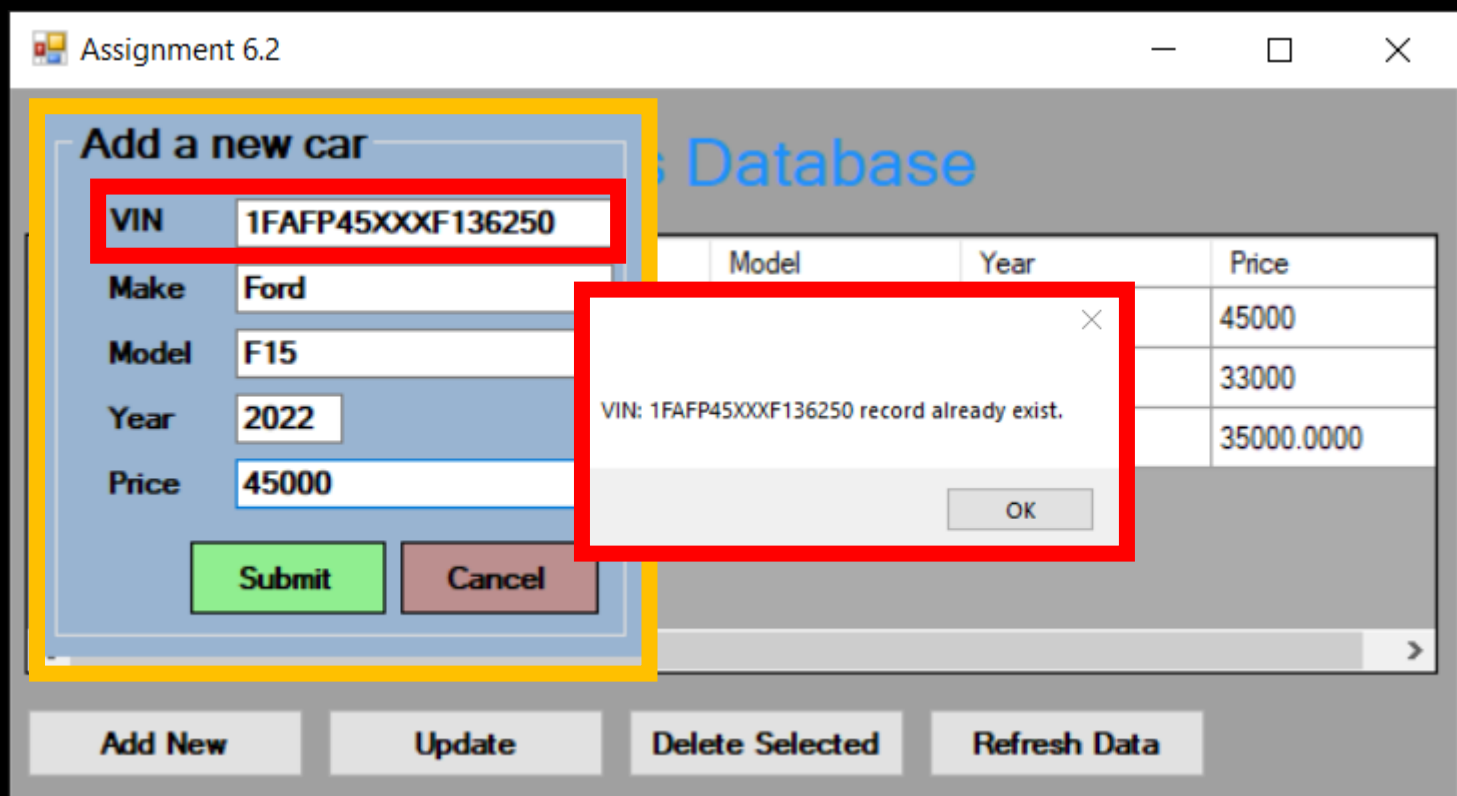
OK

Add New Update Delete Selected Refresh Data

# Added Valid Record



# Invalid Input – Duplicate VIN



# Update Record

Assignment 6.2

### Update Car:

VIN: 1FAFP45XXXF13C350

Make:

Model:

Year:

Price:

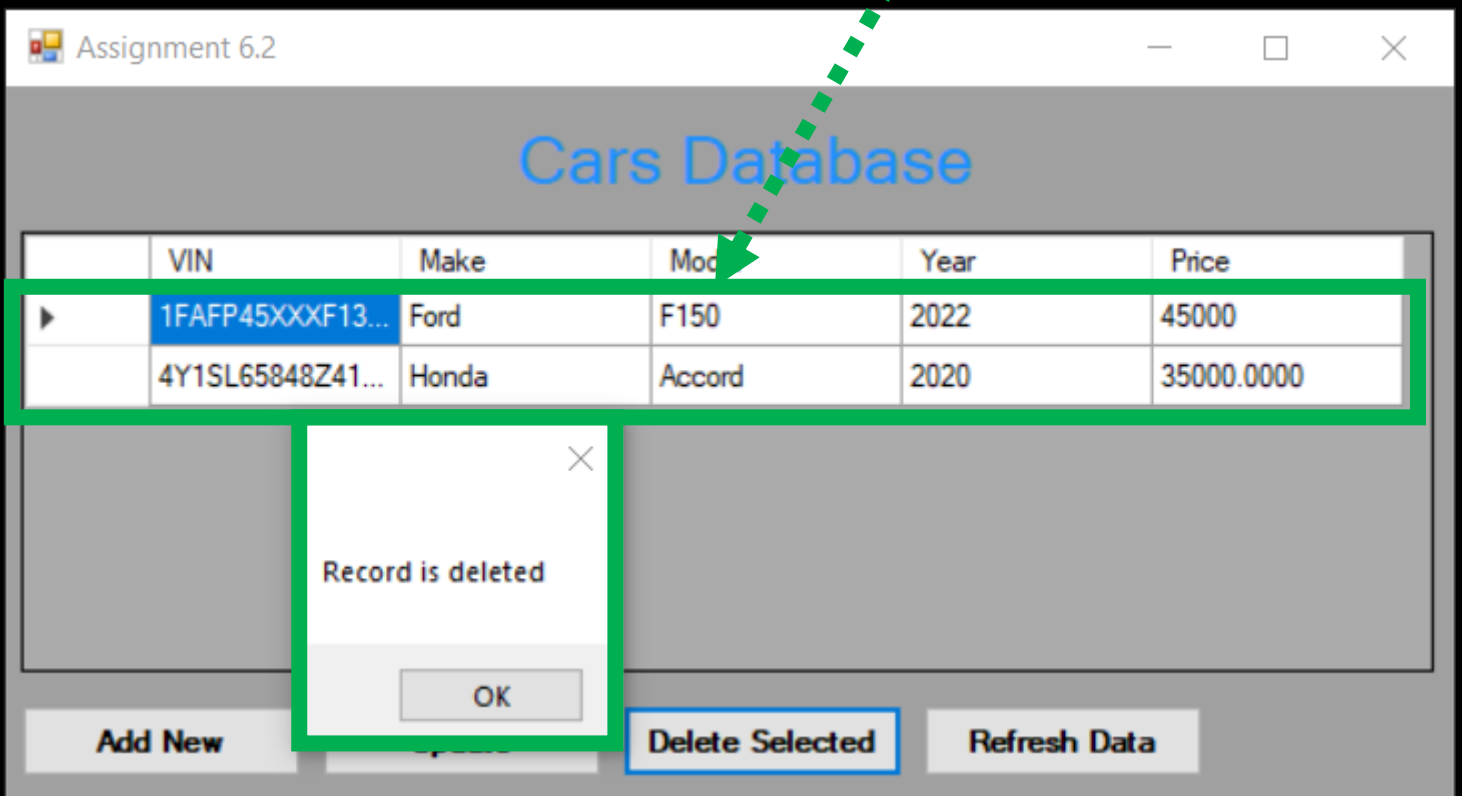
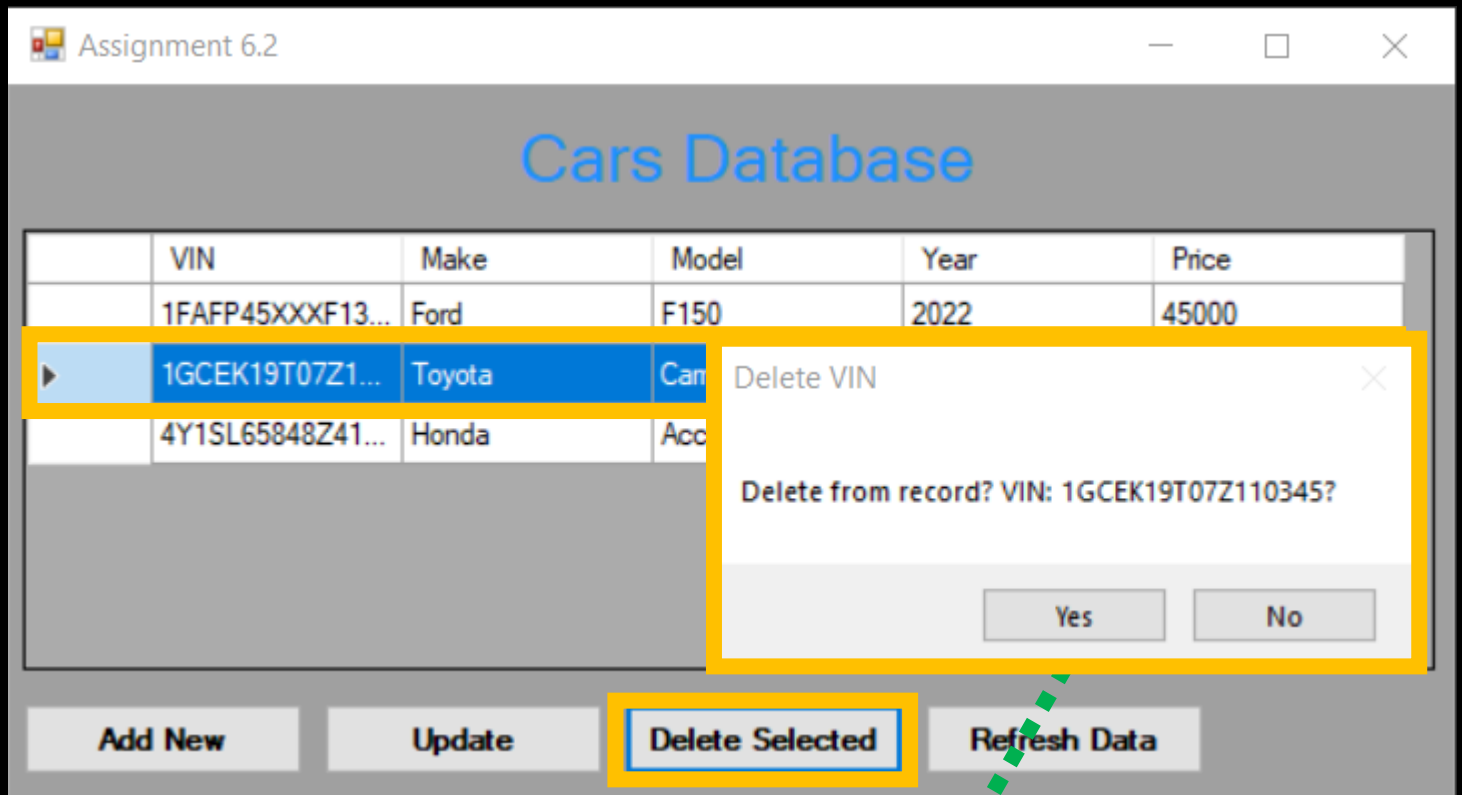
Model	Year	Price
F15	2022	45000
Camry	2021	33000
Accord	2020	35000.0000

Assignment 6.2

### Cars Database

	VIN	Make	Model	Year	Price
▶	1FAFP45XXXF13...	Ford	F150	2022	45000
	1GCEK19T07Z1...	Toyota	Camry	2021	33000
	4Y1SL65848Z41...	Honda	Accord	2020	35000.0000

# Delete Record



```
/****** Script for SelectTopNRows command from SSMS *****/
```

```
SELECT TOP (1000) [VIN]
    , [Make]
    , [Model]
    , [Year]
    , [Price]
FROM [Assignment 6.2].[dbo].[Cars]
```

100 %

Results Messages

	VIN	Make	Model	Year	Price
1	1FAFP45XXF136250	Ford	F150	2022	45000.00
2	4Y1SL65848Z411439	Honda	Accord	2020	35000.00

# SQL Server