Car Dealership Database README

How to install:

You have the following files:
DBGui.java
DBUtil.java
testDBUtil.java
Address.java
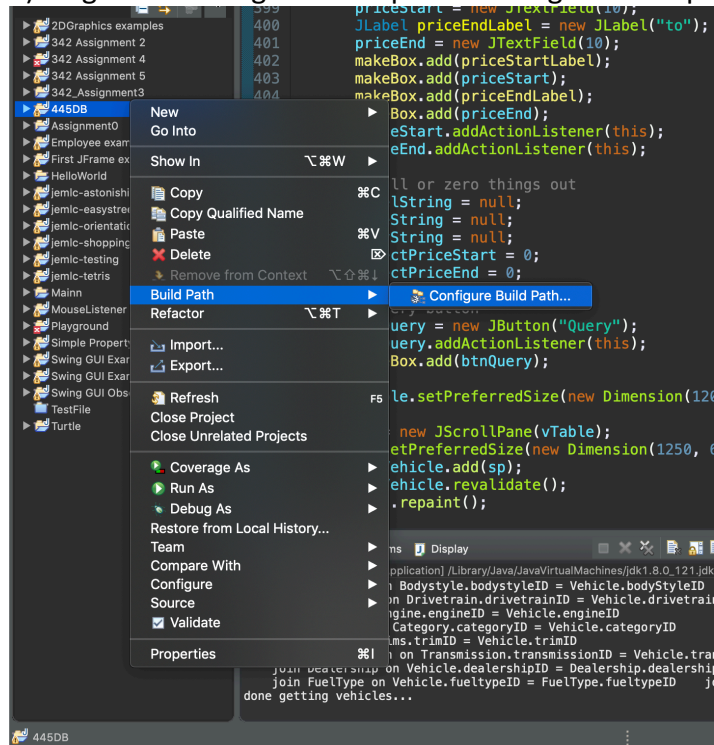**Make.java**
Model.java
Order.java
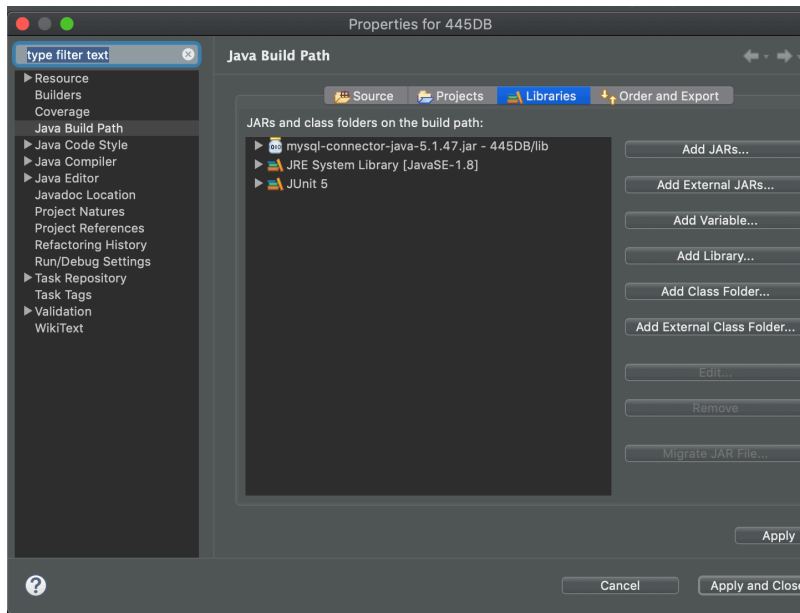**Vehicles.java**
Mysql-connector-java-5.1.47.jar

I ran this in eclipse….

One thing that is important it so verify that your build path is setup up so that the mysql connector jar is in the build path.

1) Right click and go to buildpath-> configure build path

2) Verify that the build path shows the mysql connector

3) If it is not press add jar and add the jar file.
4) In DBUtil.java please adjust these fields to the your mysql database configuration

```java
public class DBUtil {

    /**
     * username field which stores the username
     * you will need to change this this for yourself
     */
    private static String username = "root";

    /**
     * password field which stores the password
     * you will need to change this for yourself
     */
    private static String password = "password";

    /**
     * servername field which is the path in which
     * the database is stored
     * you might need
     */
    private static String serverName = "jdbc:mysql://localhost:3306/manandic_jeremy_db";
```

5) Verify that the database is created and you are now ready to run
6) Click the run button when DBGui is selected and the following application shows up

Dealership Database

Look for car | Orders

Make : [▼] Model: [▼] City: [▼] Price from(please press enter on both text fields to complete) : [_____] to [_____] [Query]

Vin	Make	Model	Color	Bodystyle	Drivetrain	Engine	Fueltype	Vehicle Cate...	Transmission	Trim	Miles	Condition	Dealership	Price
1FAFP66L0...	Honda	Civic	Green	Coupe	RWD	NA 4 Cyl	Gas	Mid–Size	4 Spd Auto	Base	105945	Used	South Taco...	45995.0
1FMZK051...	Kia	Rio	Yellow	Sedan	RWD	V8	Gas	Mid–Size	5 Spd Man	Sport	0	New	Electrify Cars	12234.0
1G1JC124...	Toyota	Corolla	White	Sedan	RWD	V6	Gas	Compact	CVT	Premium	43019	Used	New and U...	41484.0
1GCCS195...	Volkswagen	Golf	Black	Sedan	RWD	V6	Gas	Full–Size	5 Spd Auto	Premium	87315	Used	New and U...	42807.0
JF1SF6350...	BMW	x5	Grey	SUV	RWD	Turbo 4 Cyl	Gas	Mid–Size	6 Spd Auto	Base	108778	Used	New and U...	26902.0
JH4DA335...	Volkswagen	Golf	Green	Sedan	RWD	Turbo 6 Cyl	Gas	Mid–Size	5 Spd Man	Base	92638	Used	Billy Bobs L...	14444.0
JH4KA265...	Chevrolet	Camaro	Blue	Coupe	RWD	Turbo 6 Cyl	Gas	Muscle	5 Spd Auto	Premium	32387	Used	Puyallup Au...	49828.0
WDBJF65J1...	Ford	Falcon	White	Coupe	RWD	Turbo 6 Cyl	Gas	Mid–Size	4 Spd Auto	Premium	0	New	South Taco...	17806.0
1D7HU18D...	Hyundai	Tiburon	Grey	Coupe	FWD	Turbo 6 Cyl	Gas	Mid–Size	5 Spd Auto	Base	0	New	Billy Bobs L...	27419.0
1FAFP58U0...	Kia	Stinger	White	Sedan	FWD	V8	Gas	Compact	6 Spd Man	Sport	7033	Used	Billy Bobs L...	27230.0
1M1AK06Y...	Kia	Rio	Red	Sedan	FWD	Turbo 4 Cyl	Gas	Mid–Size	6 Spd Man	Sport	111231	Used	Billy Bobs L...	35262.0
4T1SK12E...	Honda	CRV	Green	SUV	FWD	Turbo 6 Cyl	Gas	Mid–Size	4 Spd Auto	Base	63773	Used	South Taco...	13220.0
5GZCZ23D...	Toyota	Supra	White	Coupe	FWD	V6	Gas	Mid–Size	4 Spd Auto	Base	0	New	Electrify Cars	37179.0
5XYKT4A6...	Toyota	Rav–4	Black	SUV	FWD	Turbo 4 Cyl	Gas	Mid–Size	CVT	Base	68166	Used	Olympia Au...	27751.0
JH4KA464...	Ford	Focus	Yellow	Sedan	FWD	NA 4 Cyl	Gas	Compact	4 Spd Auto	Premium	28260	Used	New and U...	19371.0
JKBVNKD1...	Honda	Civic	Red	Sedan	FWD	V6	Gas	Mid–Size	6 Spd Auto	Base	18706	Used	Billy Bobs L...	28294.0
JM3TB2MA...	BMW	328i	Grey	Sedan	FWD	V6	Gas	Mid–Size	8 Spd Auto	Sport	80765	Used	Olympia Au...	19545.0
WA1LKAFP...	Chevrolet	Camaro	Red	Coupe	FWD	V6	Gas	Muscle	8 Spd Auto	Premium	15710	Used	Electrify Cars	40542.0
WDBAB23A...	Chevrolet	Camaro	Yellow	Coupe	FWD	Turbo 6 Cyl	Gas	Muscle	5 Spd Auto	Base	73307	Used	Electrify Cars	48847.0
5N1AA08A...	Hyundai	Sonata	Green	Sedan	AWD	Turbo 6 Cyl	Gas	Mid–Size	CVT	Base	97097	Used	Electrify Cars	27991.0
JH4DA945...	Toyota	Tacoma	Grey	Truck	AWD	Turbo 6 Cyl	Gas	Mid–Size	CVT	Base	100548	Used	South Taco...	48102.0
4A3AA46G...	Ford	Ranger	Red	Truck	RWD	V8	Disel	Full–Size	4 Spd Auto	Base	35153	Used	New and U...	22293.0
JN1BY1AR3...	Ford	F150	Black	Truck	RWD	Turbo 4 Cyl	Disel	Mid–Size	6 Spd Man	Base	69635	Used	Billy Bobs L...	41371.0
JH4DA174...	Chevrolet	Bolt	Red	Sedan	FWD	Electric	Electric	Full–Size	4 Spd Auto	Base	0	New	Electrify Cars	24580.0
WAUYGAFC...	Tesla	Model S	White	Sedan	FWD	Electric	Electric	Mid–Size	CVT	Base	0	New	Billy Bobs L...	43562.0

Test cases:

1) Make: Honda, Model: Civic, City: Seattle, PriceRange: 300-30,000
   Outcome should look like this

Vin	Make	Model	Color	Bodystyle	Drivetrain	Engine	Fueltype	Vehicle Cate...	Transmission	Trim	Miles	Condition	Dealership	Price
JKBVNKD1...	Honda	Civic	Red	Sedan	FWD	V6	Gas	Mid–Size	6 Spd Auto	Base	18706	Used	Billy Bobs L...	28294.0

2) Model: Camaro, PriceRange 3000 as the low end

Make : [▼] Model: [Camaro ▼] City: [▼] Price from (please press enter on both text fields to complete) :: [3000] to [_____] [Query]

outcome:

Vin	Make	Model	Color	Bodystyle	Drivetrain	Engine	Fueltype	Vehicle Cate...	Transmission	Trim	Miles	Condition	Dealership	Price
JH4KA265...	Chevrolet	Camaro	Blue	Coupe	RWD	Turbo 6 Cyl	Gas	Muscle	5 Spd Auto	Premium	32387	Used	Puyallup Au...	49828.0
WA1LKAFP...	Chevrolet	Camaro	Red	Coupe	FWD	V6	Gas	Muscle	8 Spd Auto	Premium	15710	Used	Electrify Cars	40542.0
WDBAB23A...	Chevrolet	Camaro	Yellow	Coupe	FWD	Turbo 6 Cyl	Gas	Muscle	5 Spd Auto	Base	73307	Used	Electrify Cars	48847.0

3) City: Seattle
Outcome:

Vin	Make	Model	Color	Bodystyle	Drivetrain	Engine	Fueltype	Vehicle Cate...	Transmission	Trim	Miles	Condition	Dealership	Price
1D7HU18D...	Hyundai	Tiburon	Grey	Coupe	FWD	Turbo 6 Cyl	Gas	Mid–Size	6 Spd Man	Sport	0	New	Billy Bobs L...	27419.0
1FAFP58U0...	Kia	Stinger	White	Sedan	FWD	V8	Gas	Compact	6 Spd Man	Sport	7033	Used	Billy Bobs L...	27230.0
1M1AK06Y...	Kia	Rio	Red	Sedan	FWD	Turbo 4 Cyl	Gas	Mid–Size	4 Spd Auto	Sport	111231	Used	Billy Bobs L...	35262.0
JH4DA335...	Volkswagen	Golf	Green	Sedan	RWD	Turbo 6 Cyl	Gas	Mid–Size	5 Spd Man	Base	92638	Used	Billy Bobs L...	14444.0
JKBVNKD1...	Honda	Civic	Red	Sedan	FWD	V6	Gas	Mid–Size	6 Spd Auto	Base	18706	Used	Billy Bobs L...	28294.0
JN1BY1AR3...	Ford	F150	Black	Truck	RWD	Turbo 4 Cyl	Disel	Mid–Size	6 Spd Man	Base	69635	Used	Billy Bobs L...	41371.0
WAUYGAFC...	Tesla	Model S	White	Sedan	FWD	Electric	Electric	Mid–Size	CVT	Base	0	New	Billy Bobs L...	43562.0

4) City: Olympia
Outcome: nothing should show up

5) Click the order tab
Outcome:

Vin	Customer First Name	Customer Last Name	SalesRep Firstname	Salerep Lastname	Date	Out the door price
1FAFP66L0WK258659	Pedro	Pascal	Lindsey	Chi	2018-05-18 00:00:00	44087.98
5GZCZ23D13S847842	Makoto	Nijima	Nick	Mick	2018-09-04 00:00:00	32343.94
JH4DA3350HS000229	Makoto	Nijima	Jill	Filo	2017-06-11 00:00:00	12123.98
WAUYGAFC6CN174200	Bob	Jenkens	Patrick	Einz	2016-01-05 00:00:00	25000.0
WDBAB23A6DB369209	Jane	Foster	Gonzo	Barlos	2018-08-16 00:00:00	41000.45