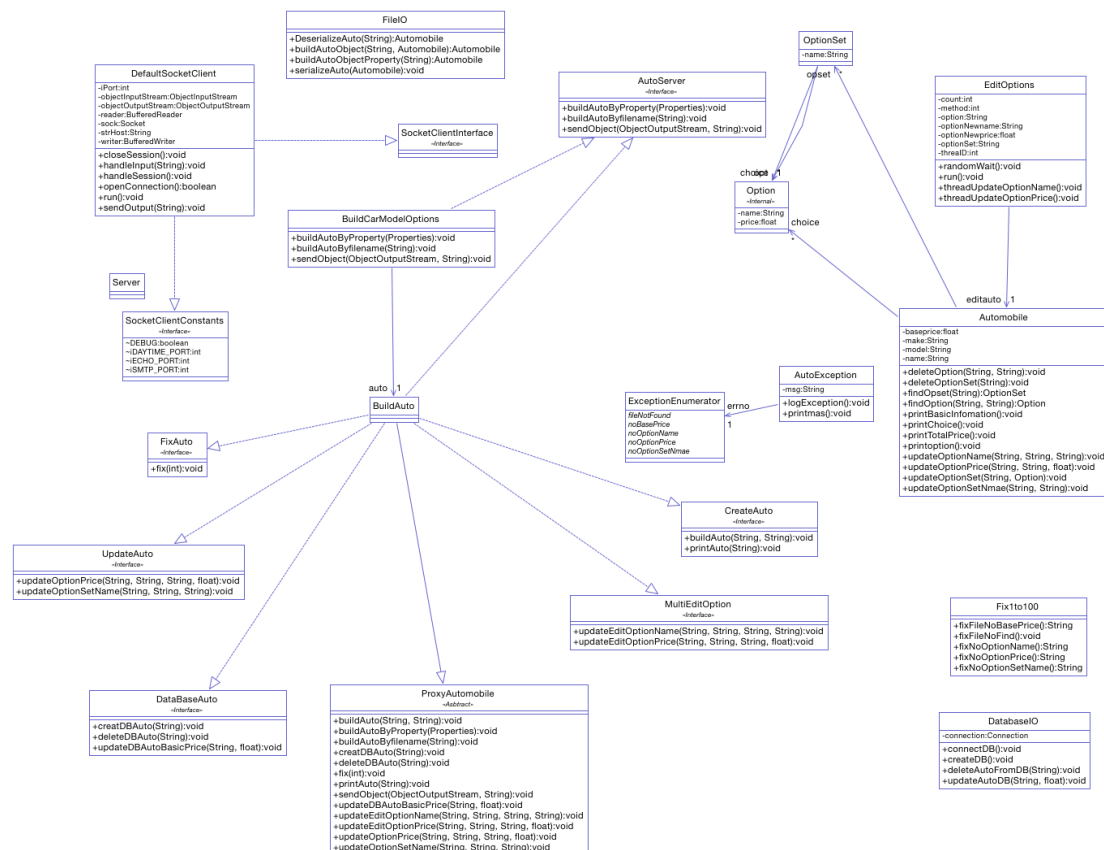


Documentation for Project1 unit6

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Here is the class diagram of project1 unit6 Server.:



Project Description:

In this time, we implement following operations, for persisting the LinkedHashMap into a Database: create, update and delete.

Here are the main files we focus on this time.

1. DatabaseIO.java: implement all related database function on it, such as create database, add data into database and so on.
2. DataBaseAuto.java: this is an interface we set up at package adapter. It provides some methods, which our routine can interact with database.
3. ProxyAutomobile.java: implement all method in DataBaseAuto.java file.
4. Driver.java: Simulating the routine, test all functions, which can interact with database.

Showing Result

The below is the result from our project, you can review it and save your time to restart the project.

AutoMobile with Database Program

Create the DataBase with no Data

Success connect Mysql server!

Create DATABASE is done!

Add Basic AutoMobile Information Into Database

Success connect Mysql server!

Focus Wagon ZTW successfully was added into the database

Add data into DATABASE is done!

Success connect Mysql server!

Nissan GTR successfully was added into the database

Add data into DATABASE is done!

-----Show The All Table-----

Automobile Table

AutoId | AutoName | BasePrice

0 | Focus Wagon ZTW | 18864

1 | Nissan GTR | 500

OptionSet Table

OpSetID | OpSetName | AutoId

0 | Color | 0

1 | Transmission | 0

2 | Brakes/Traction Control | 0

3 | Side Impact Airbags | 0

4 | Power Moonroof | 0

5 | Color | 1

6 | Transmission | 1

7 | Brakes/Traction Control | 1

8 | Side Impact Airbags | 1

9 | Power Moonroof | 1

Option Table

OptionId | OptionName | OptionPrice | OptionSetId | AutoId

0	Fort Knox Gold Clearcoat Metallic	0	0	0
1	Liquid Grey Clearcoat Metallic	0	0	0
2	Infra-Red Clearcoat	0	0	0
3	Grabber Green Clearcoat Metallic	0	0	0
4	Sangria Red Clearcoat Metallic	0	0	0
5	French Blue Clearcoat Metallic	0	0	0
6	Twilight Blue Clearcoat Metallic	0	0	0
7	CD Silver Clearcoat Metallic	0	0	0
8	Pitch Black Clearcoat	0	0	0
9	Cloud 9 White Clearcoat	0	0	0
10	automatic	0	1	0
11	standard	-815	1	0
12	standard	0	2	0
13	ABS	400	2	0
14	ABS with Advance Tran	1625	2	0
15	none	0	3	0
16	selected	350	3	0
17	none	0	4	0
18	selected	595	4	0
19	Red	0	5	1
20	White	0	5	1
21	Green	0	5	1
22	automatic	0	6	1
23	standard	-300	6	1
24	standard	0	7	1
25	ABS	400	7	1
26	none	0	8	1
27	selected	350	8	1
28	none	0	9	1
29	selected	595	9	1

Delete AutoMobile Information Into Database

Success connect Mysql server!

Delete the Focus Wagon ZTW from DATABASE is done!

-----Show The All Table-----

Automobile Table

AutoId | AutoName | BasePrice

1 | Nissan GTR | 500

OptionSet Table

OpSetID | OpSetName | AutoId

5 | Color | 1

6 | Transmission | 1

7 | Brakes/Traction Control | 1

8 | Side Impact Airbags | 1

9 | Power Moonroof | 1

Option Table

OptionId | OptionName | OptionPrice | OptionSetId | AutoId

19 | Red | 0 | 5 | 1

20 | White | 0 | 5 | 1

21 | Green | 0 | 5 | 1

22 | automatic | 0 | 6 | 1

23 | standard | -300 | 6 | 1

24 | standard | 0 | 7 | 1

25 | ABS | 400 | 7 | 1

26 | none | 0 | 8 | 1

27 | selected | 350 | 8 | 1

28 | none | 0 | 9 | 1

29 | selected | 595 | 9 | 1

Update AutoMobile BasePrice from Database

Success connect Mysql server!

Update data from DATABASE is done!

-----Show The AutoMobile Table-----

Automobile Table

AutoId | AutoName | BasePrice

1 | Nissan GTR | 99999
