package: model

* contains: Automotive class, OptionSet class, Option class (inner class in OptionSet)

Automobile class implements Serializable

Imports:

* java.io.Serializable
* java.model.OptionSet.Option

Properties:

* private variables: String make, String model, int basePrice, ArrayList<OptionSet> optionSet, ArrayList<Option> choice

Methods:

Public

Constructors:

* Automobile()

Getters:

* String getMake()
* String getModel()
* int getBasePrice()
* String getOptionSetNameWithName(String)
* int getOptionSetSize()
* int getOptionSetChoiceSize(int)
* OptionSet getOptionSetWithName(String)
* String getOptionChoiceName(String, String)
* float getOptionChoicePrice(String, String)
* Option getOptionWithName(String, String)

Setters:

* void setMake(String)
* void setModel(String)
* void setBasePrice(int)
* void setChoiceArrayList()
* void setOptionSetName(String)
* void makeOptionSetChoiceThruName(String, String, float)
* void makeOptionSetChoiceThruPrice(String, String, float)
* void setOptionChoice(String, String, float)
* void setOptionChoiceName(String, String, float)
* void setOptionChoicePrice(String, String, float)

Updaters:

* void updateOptionSetNameThruName(String, String)
* void updateOptionNameThruName(String, String, String)
* void updateOptionPriceThruName(String, String, float)

Deleters:

* void deleteOptionSetThruName(String)
* void deleteOptionThruName(String, String)

Printer:

* void print()
* void printChoice()
* void printTotalPrice()

OptionSet class implements Serializable

Imports:

* java.io.Serializable

Properties:

* private variables: String name, ArrayList<Option> choice

Methods:

Protected

Constructors:

* OptionSet()
* OptionSet(String)

Getters:

* String getName()
* int getChoiceLength()
* Option getChoice(String)
* ArrayList<Option> getChoiceArrayList()

Setters:

* void makeNewChoiceName(String)
* void makeNewChoicePrice(float)
* void setOptionChoice(String, float)
* void setOptionChoiceName(String, float)
* void setOptionChoicePrice(String, float)
* void setName(String)

Updaters:

* void updateOptionSetName(String)
* void updateOptionNameThruName(String, String)
* void updateOptionPriceThruName(String, float)
* void deleteOptionThruName(String)

Deleters:

* deleteOptionThruName(String)

Printer:

* String print()

Option class implements Serializable

Imports:

* java.io.Serializable

Properties:

* private variables: String name, float price

Methods:

Protected

Constructors:

* Option()
* Option(String)
* Option(float)
* Option(String, float)

Getters:

* String getName()
* float getPrice()

Setters(Updaters also):

* void setName(String)
* void setPrice(float)

Printer:

* String print()

package: util

* contains: FileIO class

FileIO class

Imports:

* java.io.\*
* model.\*

Properties:

* none

Constructors:

* FileIO()

Methods:

Public

* Automobile buildAutoObject(String filename)
* boolean strIsNumber(String str)
* void serializeAuto(Automobile FordZTW)
* Automobile deserializeAuto(String filename)
* void readPropertiesFile(String)

package: driver

* contains: Driver class

Driver class

Imports:

* adapter.\*
* java.util.Scanner

Properties:

* static Scanner scanner

Methods:

Public

* static void main(String[] args)

package: adapter

* contains: BuildAuto class, ProxyAutomobile abstract class, interfaces: CreateAuto, UpdateAuto, FixAuto, EditThread, AutoServer

BuildAuto class extends ProxyAutomobile implements CreateAuto, UpdateAuto, FixAuto

* empty

ProxyAutomobile abstract class

Imports:

* exception.\*
* model.\*
* util.\*
* java.util.Iterator
* java.util.LinkedHashMap

Properties:

* private variables: static LinkedHashMap<String, Automobile> obj

Methods:

Public

* void BuildAuto(String filename)
* void BuildAuto(String, int)
* void makeMap()
* void PrintAuto(String Modelname)
* void printChoiceInAutomobile(String Modelname)
* void printTotalPrice(String Modelname
* void UpdateOptionSetName(String Modelname, String OptionSetName, String newName)
* void UpdateOptionPrice(String Modelname, String OptionSetName, String OptionName, float newPrice)
* void updateOptionName(String, String, String, String)
* void deleteOptionName(String, String, String)
* void fix(int errorno)
* void addAutoToLHM(Automobile)
* void listOfAvailableModels()
* void sendObjectToClient(String)

CreateAuto interface

Methods:

Public

* void BuildAuto(String filename)
* void BuildAuto(String, int)
* void PrintAuto(String Modelname)

UpdateAuto interface

Methods:

Public

* void UpdateOptionSetName(String Modelname, String OptionSetName, String newName)
* void UpdateOptionPrice(String Modelname, String OptionSetName, String OptionName, float newPrice)

FixAuto interface

Methods:

Public

* void fix(int errorno)

EditThread interface

Methods:

Public

* void Edit(int ops, String [] input, boolean isSynchronized)

package: exception

* contains: AutoException class, Fix1to100 class

AutoException class extends Exception

Imports:

* java.io.\*
* java.text.SimpleDateFormat
* java.util.Date

Properties:

* private variables: int errorno, String errormsg

Methods:

Public

Constructors:

* AutoException(int errorno, String errormsg)
* AutoException(int errorno)
* AutoException(String errormsg)
* AutoException()

Getters:

* int getErrorNo()
* String getErrorMsg()

Setters:

* void setErrorNo(int errorno)
* void setErrorMsg(String errormsg)

Fix methods:

* String fix1()
* int fix2()
* float fix3()
* String fix4()
* String fix5()
* String fix6()
* void fix(int errorno)

Log method:

* void log()

Printer:

* void print()

Fix1to100 class

Methods:

Public

Constructors:

* Fix1to100()

Fix methods:

* String fix1()
* int fix2()
* float fix3()
* String fix4()
* String fix5()
* String fix6()

package: scale

* contains: EditOptions class, EditOptionInThread class

EditOptions class extends ProxyAutomobile implements Runnable

Imports:

* adapter.\*

Properties:

* private variables: Thread t, String input [], int ops

Methods:

Public

Constructors:

* EditOptions(int, String[])
* EditOptions()

Methods:

* void run()

EditOptionInThread class extends ProxyAutomobile

Imports:

* adapter.\*

Methods:

Public

Constructors:

* EditOptionInThread(String [] input)

Methods:

* void op1(String [] input)
* void op2(String [] input)
* void op3(String [] input)
* void op4(String [] input)

package: server

* contains: AutoServer interface, BuildCarModelOptions class

AutoServer interface

Imports:

* model.Automobile
* java.io.ObjectInputStream

Methods:

* addAutoToLHM(Automobile)
* listOfAvailableModels()
* sendObjectToClient(String)

BuildCarModelOptions class extends Thread implements AutoServer, Runnable

Imports:

* java.io.IOException;
* java.io.ObjectInputStream;
* java.io.ObjectOutputStream;
* java.net.ServerSocket;
* java.net.Socket;
* java.util.Properties;
* adapter.\*;
* model.Automobile;

Methods:

Public

Methods:

* csocket : Socket
* BuildCarModelOptions(Socket)
* acceptAndCreateAuto(Properties)
* addAutoToLHM(Automobile)
* main(String[])
* run()
* listOfAvailableModels()
* sendObjectToClient(String)

package: client

* contains: CarModelOptionsIO class, SelectCarOption class

CarModelOptionsIO class

Imports:

* java.io.FileInputStream;
* java.io.FileNotFoundException;
* java.io.IOException;
* java.io.ObjectInputStream;
* java.io.ObjectOutputStream;
* java.net.Socket;
* java.util.Properties;
* java.util.Scanner;

Methods:

* readDataFromPropertiesFile(Properties)
* createPropertiesObj(String)
* main(String[])

SelectCarOption

Imports:

* java.io.IOException;
* java.io.ObjectInputStream;
* java.io.ObjectOutputStream;
* java.net.ServerSocket;
* java.net.Socket;

Methods:

Public

Methods:

* main(String[])