«class»
FileIO
Package::Util

+ FileIO()
- void readData(String fname)
+ Automotive buildAutoObject(String filename)
+ void serializeAuto(Automotive a1)
+ Automotive deSerializeAuto(int year, String make, String model)

«class»
Automobile
Package::Model
implements Serializable

- year: int
- make: String
- model: String
- basePrice: float
- opSet: ArrayList<OptionSet>
- choice: ArrayList<Option>

+ Automotive()
+ Automotive(int year, String make, String modelName, float basePrice, int totalOptions)
+ String getModel()
+ void setModel(String model)
+ String getMake()
+ void setMake(String make)
+ int getYear()
+ String getFullName()
+ void setYear(int year)
+ float getBasePrice()
+ void setBasePrice(float basePrice)
+ String getOptionSetName(int index)
+ ArrayList<OptionSet> getOpset()
+ ArrayList<Option> getChoice()
+ void setChoice(ArrayList<Option> choice)
+ ArrayList<Option> getOptions(int index)
+ OptionSet getOpset(int i)
+ OptionSet getOpset(String s)
+ int getOpsetIndex(String s)
+ String getOptionNameValue(int i, int j)
+ float getOptionPriceValue(int i, int j)
+ void setOpset(OptionSet[] opset)
+ void setOpsetValue(int i, OptionSet os)
+ void setOptionSetName(int i, String optionSetName)
+ void setOptionValue(int i, int j, String name, float price)
+ void setOptionPrice(int i, String optionName, float newPrice)
+ void addOptionValue(int i, String name, float price)
+ void deleteOptionSet(String opname)
+ void deleteOptionSet(int index)
+ String getOptionChoice(String setName)
+ String getOptionChoice(int opSetIndex)
+ float getOptionChoicePrice(String setName)
+ void setOptionChoice(String setName, String optionName)
+ void setOptionChoice(String setName, int optionIndex)
+ void setOptionChoice(int opSetIndex, int optionIndex)
+ void clearChoice()
+ float getTotalPrice()
+ void print()
+ void printTotal()

«class»
AutoException
Package::exception

- int errorno;
- String errormsg;
- Automobile a;
- int index;

+ AutoException()
+ AutoException(String errormsg)
+ AutoException(int errorno)
+ AutoException(int errorno, String errormsg)
+ AutoException(int errorno, String errormsg, int index)
+ AutoException(int errorno, String errormsg, Automobile a)
+ AutoException(int errorno, String errormsg, Automobile a, int index)
+ int getErrorno()
+ void setErrorno(int errorno)
+ String getErrormsg()
+ void setErrormsg(String errormsg)
+ Automobile getAuto()
+ void setAuto(Automobile a)
+ int getIndex()
+ void setIndex(int index)
+ void printmyproblem()
+ void logException(int errorNo, String errorMsg)
+ String fix(int errorno)

«Abstract Class»
ProxyAutomobile
Package::adaptor

- static LinkedHashMap<String, Automobile> automobiles
- Automobile a1
+ ProxyAutomobile()
+ void updateOptionSetName(int year,String make, String model, String optionSetName, String newName) throws AutoException
+ void updateOptionPrice(int year,String make, String model, String optionSetName, String option, float newPrice) throws AutoException
+ void buildAuto(String fileName) throws AutoException
+ void printAuto(Automobile a)throws AutoException
+ void printAuto(int year, String make, String model)throws AutoException
+ String fix(AutoException e)

«class»
EditOptions
Package::Scale

public class EditOptions extends ProxyAutomobile implements Runnable
- static int threadCount=1;
- Thread t;
+ int threadNum;
- boolean isUpdating;
- int year;
- String make;
- String model;
- String optionSetName;
- String newOptionSetName;
- String optionName;
- String newOptionName;
- float newOptionPrice;
- String editType;

+ EditOptions(int threadNum, int year,String make, String model, String optionSetName, String newOptionSetName) {
+ EditOptions(int threadNum, int year,String make, String model, String optionSetName,String optionName, String newOptionName) {
+ EditOptions(int threadNum, int year,String make, String model, String optionSetName,String optionName, float newOptionPrice) {
+ void updateOptionSetName(int year,String make, String model, String optionSetName, String newOptionSetName)
    throws AutoException
+ void updateOptionName(int year,String make, String model, String optionSetName, String optionName, String newOptionName)
    throws AutoException
+ void updateOptionPrice(int threadNum,int year,String make, String model, String optionSetName, String optionName, float newPrice)
    throws AutoException
public void run()
public void start()

«class»
FixHelpers
Package::exception

- int errorno;
+ FixHelpers()
+ FixHelpers(int errorno)
+ String fix105()
+ String fix115()
+ String fix125()
+ String fix135()
+ String fix135(int i)
+ String fix145(int i)

«Class»
BuildAuto
Package::adaptor

«interface»
CreateAuto
Package::adaptor

+abstract void buildAuto(String fileName)
+abstract void printAuto(int year, String make, String model)

«interface»
EditThread
Package::scale

+abstract void updateOptionSetName(int threadNum, int year,String make, String model, String optionSetName, String newOptionSetName) throws AutoException;
+abstract void updateOptionPrice(int threadNum, int year,String make, String model, String optionSetName, String option, float newPrice) throws AutoException;
+abstract void updateOptionName(int threadNum, int year,String make, String model, String optionSetName, String optionName, String newOptionName) throws AutoException;

«interface»
FixAuto
Package::adaptor

+abstract String fix(AutoException e);

«interface»
ChooseAuto
Package::adaptor

+abstract void chooseOptions();

«class»
DefaultSocketClient
Package::client
extends Thread

- ObjectOutputStream out;
- ObjectInputStream in;
- BufferedReader stdIn;
- Socket sock;
- String strHost;
- int iPort;
- CarModelOptionsIO clientFTP;
- SelectCarOptions clientProtocol;
- boolean DEBUG=false;

+ DefaultSocketClient(String strHost, int iPort)
+ void establishConnection()
+ void handleConnection()
+ void sendOutput(Object obj)
+ void run()

«class»
CarModelOptionsIO
Package::client

+ CarModelOptionsIO()
+ Object loadPropsFile(String fname)

«class»
SelectCarOptions
Package::client

- static boolean DEBUG
- Scanner in

+ SelectCarOptions()
+ void configureAuto(Object obj)
+ boolean isAutomobile(Object obj)

«class»
OptionSet
Package::model
implements Serializable

- name: String
- opt: ArrayList<Option>
- optionChoice: Option

+ OptionSet(String name, int size)
# String getName()
# void setName(String name)
# ArrayList<Option> getOpt()
# void setOpt(ArrayList<Option> opt)
# Option getOptionChoice()
# void setChoice(Option optionChoice)
# void setChoice(String optionChoiceName)
# int getOptSize()
# String getOptNameValue(int index)
# float getOptPriceValue(int index)
# Option getOption(String s)
# Option getOption(int index)
# int getOptIndex(String s)
# void setOptValue(int index, String s, float price)
# void setOptPrice(int index, float price)
# void setOptName(int index, String s)
# void deleteOption(int index)
# void addOption(String name, float price)
# void print()

«class»
Option
Package::model
implements Serializable

- name: String
- price: float

Option()
Option(String name, float price)
String getName()
void setName(String name)
float getPrice()
void setPrice(float price)
void print()

Associated with

Contains

extends

extends

implements

implements

implements

implements

Associated with

Contains

Contains

Associated with

Associated with

Associated with