Automotive

private String name
private double basePrice
OptionSet opser[]

Automotive()
Automotive(String name, double price, int size)
void printModel()
void printBasePrice()
void printAllOptionSet()
void printOneOptionSet(int index)
void print()
void openSpaceForOptionSet(int size)
String getName()
void setName(String name)
double getBasePrice()
void setBasePrice(double basePrice)
OptionSet getOptionSet(int i)
void setOpset(int index, OptionSet Op)
void setOpset(int index, String name, int optSize)
void setOption(int index, OptionSet Op, String name, double price)
int findOptionSetWithName(String name)
int[] findOptionWithName(String name)
int updateOptionSet(String name)
int updateOption(String name, String newName, double newPrice)
int updateOption(String name, String newName)
int updateOption(String name,double newPrice)
int deleteOptionSet(String name)
int deleteOptionSet(int index)
int deleteOption(int x, int y)
int deleteOption(String name)

Option
(Inner class of OptionSet)

private String name
private double price

protected Option()
protected Option(String name, double price)
protected void setName(String n)
protected String getName()
protected void setPrice(double n)
protected double getPrice()
protected void print()

containment

OptionSet

private option opt[]
private String name

protected OptionSet()
protected OptionSet(String n, int size)
protected Option[] getOpt()
protected Option getOptByIndex(int i)
protected void setOpt(Option[] opt)
protected void setOpt(String name, double price, int index)
protected String getName()
protected void setName(String name)
protected void print()

Util

private String filePath

Util()
Util(String f)
Automotive readFile(String fname)
void serializeAutomotive(Automotive automotive)
Automotive deserializeAutomotive(String name)