Project1_Unit1

By Yi (Elliot) Cao

Andrew: yc2

Project1_unit1:

Overall understanding of unit1:
As for this unit1, I strictly follow the requirements and give adequate test. The auto object can be built successfully.Automobile class completed with access method for all CRUD operations for Option, OptionSet and Automotive class. Properties Option and OptionSet class are protected. Data is populated into Automotive instance using a text file. Serialization and Deserialization is used.

How to Run My Code:
1.Import the project
2. Run driver.java

Package and classes list:

Model:

Automobile： encapsulate all necessary operations and attributes for car

OptionSet: encapsulate all optionset and options' operation and attributes

Util:

FileIO: used to build auto object and serialization and deserialization

List details of the built auto and serialize :
car name:Focus Wagon ZTW
the OptionSet name:Color
Option [name=Fort Knox Gold Clearcoat Metallic, price=0.0]
Option [name=Liquid Grey Clearcoat Metallic, price=0.0]
Option [name=Infra-Red Clearcoat, price=0.0]
Option [name=Grabber Green Clearcoat Metallic, price=0.0]
Option [name=Sangria Red Clearcoat Metallic, price=0.0]
Option [name=French Blue Clearcoat Metallic, price=0.0]
Option [name=Twilight Blue Clearcoat Metallic, price=0.0]
Option [name=CD Silver Clearcoat Metallic, price=0.0]
Option [name=Pitch Black Clearcoat, price=0.0]
Option [name=Cloud 9 White Clearcoat, price=0.0]
the OptionSet name:Transmission
Option [name=Automatic, price=0.0]
Option [name=Standard, price=-815.0]
the OptionSet name:Brakes/Traction Control
Option [name=Standard, price=0.0]
Option [name=ABS, price=400.0]
Option [name=ABS with Advance Trac, price=1625.0]
the OptionSet name:Side Impace Air Bags
Option [name=None, price=0.0]
Option [name=If Selected, price=350.0]
the OptionSet name:Power Moonroof
Option [name=None, price=0.0]
Option [name=If Selected, price=595.0]
serilization successful!

De-serialize :

now beagin deserilization!

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the OptionSet name:Color

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