## Class Diagram - Unit 4

rmodel package

```
Automobile
                                     implements Scriplizable
                   extends Thread
 properties:
   - Story make
   - Strong model
   - float busc Price
  - Army List opset
  - Array List Coption > choice
         rum opsits
methods:
  + Automobile ()
  + Automobile (String)
  + Automobile (Strong, Strong, floot, int, Army List (option set)
  + synchronized Optionset find OptionSet (String)
                 String get Makel)
                         get Model ()
                 String
                         set Base Prize()
                +loast
                OptionScit
                         get OptionSot (int)
               Array List (Option Sct) get Opset ()
                        get Opset Name (int)
               Strans
                        got Ophon Choice (int)
              nortago
                       get Option Name (MA)
              Strim
                       get Option Price (mt)
              flowt
              int
                       get Total Price ()
              void
                       set Make (string)
                       set Model (String)
              void
                       set Busc Price (float)
              wind
              Lion
                       set Opset (Amaslist Coptonset>
              Lord
                      set one opset (optionset, mt)
              Loid
                     sat opset Name (Int, string)
                     set option Mane (strong, mt, mt)
              biov
                    set Option Prize (float, mt, m+)
              voich
              void set one OpsetOption (Strub; Plant int, int)
                    uphate Opset Name (string, String)
                    update Ophon Prize (String, Floort)
                    delete Option Set (Option Set)
             roid delete Option Set (String)
  +
             vord delete Option (OptionSet, int)
  + Stony Builder print ()
            print Make ()
  + vord
            print model ()
  t void
            print Base Prize ()
 trior +
            print OpSet()
 trois +
             print one Opset ()
 + vois
             print option ()
 front
```

```
oxtends Automobile
   Option Set
                   implements Serializable
   proper ties:
    -Strong name
    -Amay List coption opt
    -Option
             choice
 methods:
   # Option Set ()
   # Optun set ( int)
   # Ophon Set (string, M+)
   #Option Sct (Story, int, String[], Flort[])
  + void build Option (int, String, float)
  # String gct Oset Name ()
 # Arraylist (Option? get Option Index (int)
 # int get Option Size()
 # Stony get Option Name (int)
 #Stong set Op Name (mx)
 #Strong get OphnCheize Mamc()
# flout get OpPrice (Mt)
#float get OpCharcePrice ( 1804)
#Option getOption Choice ()
# vord set Oset Name (String)
        setOphun (Array List)
H VOID
        setoneOption (option, int)
KIOV#
        set Option Name (strong, int)
Hvord
        set Option Price ( Alout, int)
Hoold
        set Option Choice (String)
Hyord #
        rename OpSet Coption Set, String)
H yord
Huoid delete Option (Option)
#Option findOption (string)
+String Builder print ()
          print Option (int)
+ vold
         pent Option Name (int)
+ void
         print Option Price (int)
+ void
```

Build Auto implements Create Auto, Update Auto, Edit Throad extends Proop Automotive «interface» Update Auto ((interface)) (rentoAuto + void update Option Set NomeStars, String, String) + word bild Auto (String) + void update Option Price (String, String, String, Flowt) + usid print Auto (string) Proxy Automotive exabstract class>> Debuggable Properties: - Linked Hash Map (Integer, Automobile) Ihm - Automobile al mun trii-- Map m mathods: + void editColor (Striky, Option) + void update Optionset Name (String, String, String) + void uplate Option Prize (String, String, String, Alout)

nutil package +F:1010 properties:

+ void

implements Serralizable

+ void print Auto (String)

build Auto (Strong)

-Strong make

-Strany model

- Flont prize

- int nunopsets

-File Render fr

- Buffered Rander buff

- Properties props

- File Input Stream in mathods :

+ File 10 (Strm)

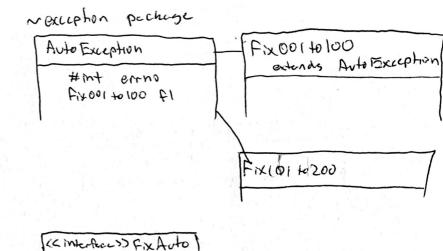
+ Automobile build Auto Object (String)

+ Automobile roud File ()

+ vord rend Properties (Strong)

+ word Serialize Auto (Automobile)

+ Automobile deserialize Auto ()



+ for fix ()

N Server pailinge

tuore Serve (Mt)

Bild Car Model Options

- Fine I m+ WATTINGS

- Anal in+ REQUEST RULLD AUTO
- Fine I MH REQUEST-CONFIGURE-Auto
- in+ State

+ Build Car Model Options ()

+ Object process Reguest (Object)

+ Strong set Request (Int)

Default Server Socket

-Mt Port

-Server Socket server

+ Default Server Socket (Mt)

+ vord run()

Default Socket Client

- Object Output Stream out

- Object EnpitStream in

- Socket elent Sock

- Brild Car Model Options protocol

+ Default Socket Client (Socket)

+ void handle Connection (Socket)

+ void Send Output (Object)

relient pacinge

Can Madel Options 10	
Properties props	
+ car Model Ophons 10 ()	
+ Object load Props File (Stras)	
+ Object load Text File (Strms)	
	- 1

1	DePault Socked Client extends Through							
	-Object Output Stream out							
	-Object EnpotStream in -Buffared Roader Stain							
- Socket sock								
	- String Str Most							
-int iPort -(armodolophins110 clientFTP -Select (ar Options client Product)								
								+ Default Count Chant (Sorry, in )
								troid establish Connection ()
	word handle Connection							
	+ void sent Output (object)							
	troid run()							

School Configure Auto (Obscut)
+ booleen is Auto (Obscut)

~ scale package

T-dr	tophons	extends	Proxy Auto	implements	Rinnable
int	x mobile a				
	mobile a	•			
thre	nd tZ				
t ea	1.10 ptro	ns (int	, Automobi	k)	
+ v	ord St	art ()			
# vo	ind ops	()			
t vo	ia run	()			

+ work edit-Color (strm), option)