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| *Cars* |
| #id: int  #type: String  #brand: String  #modelOfVehicle: String  #price: double  #torque:int  #wheels: String [ ]  #color: String  #carsReleaseDate: String |
| + Cars(int, String, String, String, int, String[ ], double, String, String)  + getters  + equals(Object): boolean  + toString( ):String  *+calcNewPrice( ): double* |

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| CarsMain |
| +main(String[] args):void |

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| CarsSYS |
| carsSet: LinkedHashSet<Cars>  carsList:ArrayList<Cars> |
| +readFromFile( ): void  + getCarsSet( ): Set<Cars>  + getCarsList ( ): ArrayList<Cars>  + checkCarslD(int): boolean  + addCars(int, ElectricCars, GasolineDieselGasCars, HybridCars): boolean  + calcAllNewPrice( ):void;  + searchCars(int): Cars  + removeCars(int): Cars  + displayAllCars( ): String  + displayAllCarsByPrice( ): String  + displayTheCars(String): String  + displayTheCarsByPrice(String): String |

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| **taxSystem <<interface>>** |
| *+addTax( double): double* |

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| ElectricCars |
| - maintenanceAndServiceEase: boolean  - batteryWarrantyPeriod: int  - vehicleStatus: String  - range:int  - enhancedAutopilot:boolean  - wheelDrive: String  - Origin: ArrayList<Origin> |
| +ElectricCars( int, String, String, String, int, String[ ], double, String, String, boolean,int, String, int, Boolean, String, ArrayList<Origin>)  +getters  +toString( ):String |

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| GasolineDieselGasCars |
| - vehicleStatus: String  - gear:String  - motorPower:int  - km:int |
| +GasolineDieselGasCars (int, String, String, String, int, String[ ], double, String, String, String, String, int, int)  +getters  +toString( ):String |

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| HybridCars |
| - regenerativeBraking:boolean  - batteryWarrantyPeriod: int  - vehicleStatus: String  - hybridType: String  - multimediaFullScreen:boolean |
| +HybridCars(int, String, String, String, int, String[ ], double, String, String, Boolean, int, String, String, boolean)  +getters  +toString( ):String |

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| Origin |
| -manuFacturer: String  -currency: String  -tax: String |
| +Origin(String, String, String)  +getters  +toString( ): String |