Vehicle Class

* make: String
* model: String
* year: String
* numMiPerWk: double
* fuelEffMPG: int
* NUM\_WK\_YR: int
* CO2\_EMIT\_PER\_GAL: double
* EMISSION\_OTHER\_GASSES: double

+ Vehicle( )

+ Vehicle(String, String, String, double, int)

+ getMake( ) : String

+ setMake( String)

+getModel( ): String

+setModel( String)

+getYear( ) : String

+setYear(String )

+getNumMiPerWk( ) : double

+setNumMiPerWk( ) : double

+getFuelEffMPG() : int

+setFuelEffMPG(int)

+getCarbonFootprint( ) : double

+toString( ) : String

Home Class

* name: String
* typeOfFuel: String
* avgMonthlyCost: double
* costPerUnit: double
* EMISSION\_FACTOR: double
* MONTHS\_IN\_YEAR: int

+ Home( )

+Home(String, String, double, double)

+ getCategory: String

+ setCategory(String)

+getTypeOfFuel() : String

+setTypeOfFuel(String)

+getAvgMonthlyCost(): double

+setAvgMonthlyCost(double)

+getCostPerUnit( ) : costPerUnit

+setCostPerUnit(double)

+setEmFact(String)

+getCarbonFootprint( ) : double

+toString( ) : String

Food Class

* name: String
* dollars: double
* category: String
* EMISSION\_FACTOR: int
* GRAM\_TO\_LB\_CONVERSION: double
* MONTHS\_IN\_YEAR: int

+Food( )

+ Food( String, double, String)

+ getName( ) : String

+ setName(String)

+ getDollars( ): double

+ setDollars (double)

+ getCategory( ): String

+ setCategory( String)

+setEmFact(String)

+ getCarbonFootprint( ) : double

+ toString: String

*<<interface>>*

*CarbonFootprint*

getCarbonFootprint() : double