<<Interface>> CarbonFootprint

+getCarbonFootprint(): double

+getName(): String

Building

-perKWH: double -buildingName: String

+setBuildingName(name: String): void

+getName(): String

+setPerKWH(setPerKWH: double): void

+getPerKWH(): double

+buildingCarbonFootprint(): double

+getCarbonFootprint(): double

Auto

-distanceDriven: double

-MPG: double

-constructionFootPrint: double -expLifeTimeMileage: double

-autoName: String

+setAutoName(setAutoName : String) : void

+getName(): String

+setDistanceDriven(setDistanceDriven : double) : void

+setMPG(setMPG : double) : void

+setConstFootprint(setConstFootprint : double) : void +setExpLifeTimeMileage(setLifeTimeMileage : double)

: void

+getDistanceDriven(): double

+getMPG(): double

+getConstFoorprint(): double +getExpLifeTimeMileage(): double

+directEM(): double +indirectEM(): double +manufacturingEM(): double

+getCarbonFootprint(): double

Food

-category: String -consumption : double

--EF : double

-avgCGEmissions: double

-avgEC : double

-retailLossPtg: double -consumerLossPtg: double

+setCategory(setCategory: String): void

+setConsumption(setConsumption : double): void

+setEF(setEF: double): void

+setAvgCGEmissions(setAvgCGEmissions: double): void

+setAvgEC(setAvgEC: double): void

+setRetailLossPtg(setRetailLossPtg : double) : void

+setConsumerLossPtg(setConsumerLossPtg : double) : void

+getName(): String

+getConsumption(): double

+getEF(): double

+getAvgCGEmissions(): double

+getAvgEC(): double

+getRetailLossPtg(): double +getConsumerLossPtg(): double +emissionsFactor(): double +getCarbonFootprint(): double

CarbonFootprintObjects

-carbonFootprint[]: CarbonFootprint

+addObjects (CFP : CarbonFootprint) : void

+toString(): String