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| Plot |
| * x : int * y : int * width : int * depth : int |
| * **Plot()** * **Plot( p : Plot )** * **Plot(x : int, y : int, width : int, depth : int)** * overlaps(plot : Plot) : boolean * encompasses(plot : Plot) : boolean * setX(x : int) : void * getX() : int * setY(y : int) : void * getY() : int * setWidth(width : int) : void * getWidth() : int * setDepth(depth : int) : void * getDepth() : int * getId(): int * toString(): String |

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| Property |
| * city : String * owner : String * propertyName : String * rentAmount : double * plot : Plot |
| * **Property()** * **Property(p : Property)** * **Property(propertyName : String, city : String, rentAmount : double, owner : String)** * **Property(propertyName : String, city : String, rentAmount : double, owner : String, x : int, y : int, width : int, depth : int)** * getCity() : String * getOwner() : String * getPropertyName() : String * getRentAmount() : double * getPlot() : Plot * setPlot(x : int, y : int, width : int, depth : int) : void * setCity(city : String) : void * setOwner(owner : String) : void * setPropertyName(propertyName: String) : void * setRentAmount(rentAmount : double) : void * toString(): String |

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| ManagementCompany |
| * MAX\_PROPERTY * MGMT\_WIDTH * MGMT\_DEPTH * mgmFeePer : double * name : String * properties : Property[] * taxID : String * plot : Plot |
| * **ManagementCompany(property : Property)** * **ManagementCompany(name : String, city : String, rent : double, owner : String)** * **ManagementCompany(name : String, city : String, rent : double, owner : String,  x : int, y : int, width : int, depth : int)** * **ManagementCompany(otherCompany : ManagementCompany)** * getName() : String * getPlot() : Plot * addProperty(property : Property) * addProperty(name : String, city : String, rent : double, owner : String) * addProperty(name : String, city : String, rent : double, owner : String, x : int, y : int, width : int, depth : int) * overlaps(plot : Plot) : boolean * displayPropertyAtIntdex( i : int) : String * getMAX\_PROPERTY() : int * maxRentProp() : double * maxRentPropertyIndex() : int * totalRent() : double * toString(): String |