|  |
| --- |
| medicationType  <<interface>> |
| +getName(): String  +getDosage(): String  +getPrice(): float  +getQuantity(): int  +setQuantity(quantity: int)  +setPrice(price: float) |

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| --- |
| MedicationManager |
| -genericmedications:ArrayList<GenericMedication>  - brandedmedications: ArrayList<BrandedMedication> |
| + MedicationManager()  + addMedication(medication: GenericMedication): void  + addBrandedMedication(medication: BrandedMedication): void  + removeMedication(medicationName: String): void  + printGeneric(): void  + printBranded(): void  + searchMedication(medicationName: String): boolean  + sellMedication(medicationName: String, quantity: int): void  + applyInsuranceDiscount(medicationName: String, quantity: int, hasInsurance: boolean): void | |

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| --- |
| <<abstract>>  medication |
| #name: String  #dosage: String  #price: float  #quantity: int |
| +medication(name: String, dosage: String,  price: float, quantity: int)  +getName(): String  +getDosage(): String  +getPrice(): float  +getQuantity(): int  +setQuantity(quantity: int)  +setPrice(price: float)  +getType(): String |

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| --- |
| GenericMedication |
| + GenericMedication(name: String,  dosage: String, price: float,  quantity: int)  + getType(): String  + getname(): String  + setquantity(quantity: int): void  + setPrice(price: float): void |

|  |
| --- |
| BrandedMedication |
| -brandname:String |
| + GenericMedication(name: String,  dosage: String , brandName:  String, price: float,  quantity: int)  + getbrandName(): String  + getType(): String  + getname(): String  + setquantity(quantity: int): void  + setPrice(price: float): void |