|  |
| --- |
| Fruit |
| -fruitTax: double |
| <<constructor>>Fruit(name: String, price: double, department: String, stockQuantity: int, sku: String, Color: String, fruitTax: double)  + getFruitTax(): double  + setFruitTax(fruitPrice: double)  + itemPrice(): double  + toString(): String |

|  |
| --- |
| FoodItems |
| -Color: String |
| <<constructor>>+ FoodItem(name: String, price: double, department: String, stockQuantity: int, sku: String, Color: String)  + getColor(): String  + setColor(Color: String)  + itemPrice(): double  + toString(): String |

▲  
inherits from StoreItem

▲  
inherits from FoodItem

|  |
| --- |
| Vegetable |
| - vegPrice: double |
| <<constructor>>Vegetable(name: String, price: double, department: String, stockQuantity: int, sku: String, Color: String, vegPrice: double)  + getVegPrice(): double  + setVegPrice(VegPrice: double)  + itemPrice(): double  + toString(): String |

▲  
inherits from FoodItem

|  |
| --- |
| SehlfStabl |
| - shelfStableTax: double |
| <<constructor>>+ ShelfStable(name: String, price: double, department: String, stockQuantity: int, sku: String, Color: String, shelfStableTax: double)  + getshelfStableTax(): double  + setshelfStableTax(fruitPrice: double)  + itemPrice(): double  + toString(): String |

▲  
inherits from FoodItem

|  |
| --- |
| HouseHoldItem |
| - material: String |
| <<constructor>>HouseHoldItem(name: String, price: double, department: String stockQuantity: int, sku: String, material: String)  <<constructor>> HouseHoldItem(name: String, price: double, department: String, stockQuantity: int, sku: String)  + getMaterial(): String  + setMaterial(material: String)  + itemPrice(): double  + toString(): String |

▲  
inherits from StoreItem

|  |
| --- |
| CleaningSupply |
| - scent: String  - cleaningTax: double |
| <<constructor>>CleaningSupply(name: String, price: double, department: String, stockQuantity: int, sku: String, material: String, scent: String, cleaningTax: double)  + getScent(): String  + getCleaningTax(): double  + setScent(scent: String)  + setCleaningTax(cleaningTax: double)  + itemPrice(): double  + toString(): String |

▲  
inherits from HouseHoldItem

|  |
| --- |
| Furniture |
| - type: String  - furnitureTax: double |
| <<contructor>>Furniture(name: String, price: double, department: String, stockQuantity: int, sku: String, material: String, type: String, furnitureTax: double)  + getType(): String  + getfurnitureTax(): double  + setFurnitureTax(furnitureTax: double)  + setType(type: String)  + itemPrice(): double  + toString(): String |

▲  
inherits from HouseHoldItem

|  |
| --- |
| <<abstract>> ElectronicsItem |
| - brand: String  - model: String  - warrantyPeriod: int  - eTAX: double |
| <<contructor>>ElectronicsItem(name: String, price: double, department: String, stockQuantity: int, sku: String, brand: String, model: String, warrantyPeriod: int)  + ElectronicsItem()  + getBrand(): String  + getModel(): String  + getWarrantyPeriod()  + getETAX(): double  + setWarrantyPeriod(warrantyPeriod: int)  + setModel(model: String)  + setBrand(brand: String)  + setETAX(eTAX: double)  + itemPrice(): double  + toString(): String |

▲  
inherits from StoreItem

|  |
| --- |
| Laptop |
| - processor: String  - ram: int  - storage: int  - screenSize: double |
| <<contructor>>Laptop(name: String, price: double, department: String, stockQuantity: int, sku: String, brand: String, model: String, warrantyPeriod: int, processor: String, ram: int, storage: int, screenSize: double)  + Laptop()  + getProcessor(): String  + getRam(): int  + getStorage(): int  + getScreenSize(): double  + getTaxRate(): double  + setProcessor(processor: String)  + setRam(ram: int)  + setStorage(storage: int)  + setScreenSize(screenSize: double)  + itemPrice(): double  + toString(): String |

▲  
inherits from <<abstract>> ElectronicsItem

|  |
| --- |
| Phone |
| - operatingSystem: String  - storage: int  - screenSize: double |
| <<constructor>>+ Phone(name: String, price: double,department: String, stockQuantity: int,  sku: String, brand: String, model: String, warrantyPeriod: int, operatingSystem: String, storage: int, screenSize: double)  + Phone()  + getOperatingSystem(): String  + getStorage(): int  + getScreenSize(): double + getTaxRate(): double  + setOperatingSystem(operatingSystem: String)  + setStorage(storage: int)  + setScreenSize(screenSize: double)  + itemPrice(): double  + toString(): String |

▲

inherits from <<abstract>> ElectronicsItem

|  |
| --- |
| TV |
| - screenType: String  - screenSize: double  - isSmartTV: boolean |
| <<constructor>>TV(name: String, price: double, department: String, stockQuantity: int, sku: String, brand: String, model: String, warrantyPeriod: int, screenType: String, screenSize: double, isSmartTV: boolean)  + TV()  + getScreenType(): String  + getScreenSize(): double  + getETAX(): double  + isSmartTV(): boolean  + setSmartTV(smartTV: boolean)  + setScreenSize(screenSize: double)  + setScreenType(screenType: String)  + itemPrice(): double  + toString(): String |

▲

inherits from <<abstract>> ElectronicsItem

|  |
| --- |
| ClothingItem |
| - size: double  - color: String  - material: String  - cTAX: double |
| <<constructor>>ClothingItem(name: String, price: double, department: String, stockQuantity: int, sku: String, size: double, color: String, material: String)  <<constructor>>ClothingItem()  + getSize(): double  + getColor(): String  + getMaterial(): String  + getCTAX(): double  + setMaterial(material: String)  + setColor(color: String)  + setSize(size: double)  + setCTAX(cTAX: double)  + itemPrice(): double  + toString(): String |

▲  
inherits from StoreItem

|  |
| --- |
| OuterWear |
| - isWaterproof: boolean |
| <<constructor>>OuterWear(name: String, price: double, department: String, stockQuantity: int, sku: String, size: double, color: String, material: String, isWaterproof: boolean)  + isWaterproof(): boolean  + setWaterproof(isWaterproof: boolean)  + getTaxRate(): double  + itemPrice(): double  + toString(): String |

▲  
inherits from ClothignItems

|  |
| --- |
| Shoe |
| - shoeType: String |
| <<constructor>>Shoe(name: String, price: double, department: String, stockQuantity: int, sku: String, size: double, color: String, material: String, shoeType: String)  + getShoeType(): String  + getTaxRate(): double  + setShoeType(shoeType: String)  + itemPrice(): double  + toString(): String |

▲  
inherits from ClothignItems

|  |
| --- |
| Shirt |
| - sleeveLength: String |
| <<constructor>>Shirt(name: String, price: double, department: String, stockQuantity: int, sku: String, size: double, color: String, material: String, sleeveLength: String)  + getSleeveLength(): String  + setSleeveLength(sleeveLength: String)  + toString(): String |

▲  
inherits from ClothignItems

|  |
| --- |
| <<abstract>> StoreItem |
| - name: String  - price: double  - department: String  - stockQuantity: int  - sku: String  # TAX\_RATE: double = 0.07 |
| <<constructor>>StoreItem(name: String, price: double, department: String, stockQuantity: int, sku: String)  <<constructor>>StoreItem()  + getName(): String  + getPrice(): double  + getDepartment(): String  + getStockQuantity(): int  + getSku(): String  + setName(name: String)  + setPrice(price: double)  + setDepartment(department: String)  + setStockQuantity(stockQuantity: int)  + setSku(sku: String)  + addStock(stock: int)  + removeStock(stock: int)  + itemPrice(): double <<abstract>>  + toString(): String |