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| **Drug** |
| - name: String  - id: int  - price: double  - category: int  - quantity: int  - prescriptionRequired: boolean |
| + Drug(name: String, id: int, price: double, category: String, quantity: int, prescription: boolean)  + getName(): String  + getId(): int  + getPrice(): double  + getCategory(): String  + getQuantity(): int  + isPrescriptionRequired(): boolean  + setQuantity(quantity: int): void |

**UML**

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| **PharmacySystem** |
| - capacity: int  - drugs: List<Drug>  - totalSales: double  - frame: JFrame - menuPanel: JPanel |
| + PharmacySystem()  + initializeUI(): void  + displayMenu(): void  + addDrug(name: String, id: int, price: double, category: String, quantity: int): void  + removeDrug(id: int): void  + placeOrder(id: int): void |  +calculateTotalSales(): double |

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| **JPanel** |
| + addComponent(component: Component): void  +removeComponent(component: Component): void |

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| **JFrame** |
| + JFrame()  + setPanel(panel:JPanel): void |