

PRODUCT

- name: String
- productId: int
- description: String
- price: double
- quantity: int
- supplier: String

CONSTRUCTOR

- + Product()
- + Product(name: String, productId: int)
- + Product(name: String, productId: int, description: String, price: double, quantity: int, supplier: String)
- + getName(): String
- + getProductId(): int
- + getDescription(): String
- + getPrice(): double
- + getQuantity(): int
- + getSupplier(): String
- + setName(name: String): void
- + setProductId(productId: int): void
- + setDescription(description: String): void
- + setPrice(price: double): void
- + setQuantity(quantity: int): void
- + setSupplier(supplier: String): void
- + updateProductInfo(name: String, description: String, price: double, quantity: int, supplier: String): void
- + checkAvailability(): boolean
- + processOrder(orderQuantity: int): boolean
- + displayProductDetails(): void
- + calculateTotalCost(): double