StockItem

- __stock_code: string
- __quantity: int
- __price: float
- __vat_rate: float
- __max_quantity: int
- __last_updated: datetime
+ <u>stock_category</u>: string

+ StockItem(stock_code: string, quantity: int, price: float, vat_rate: float, max_quantity: int
+ get_stock_code(): string
+ get_quantity(): int
+ get_price(): float
+ set_price(price: float): void
+ get_stock_name(): string
+ get_stock_description(): string
+ increase_stock(amount: int): string
+ sell_stock(amount: int): bool
+ get_vat(): float
+ get_price_with_vat(): float
+ get_total_value(include_vat: bool): float
+ check_stock_level: string
+ __str__(): string

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Is_a

NavSys

- __brand: string

+ NavSys(stock_code: string, quantity: int, price: float, brand: string, vat_rate: float, max_quantity: int
+ get_stock_name(): string
+ get_stock_description(): string
+ get_brand(): string
+ __str__(): string