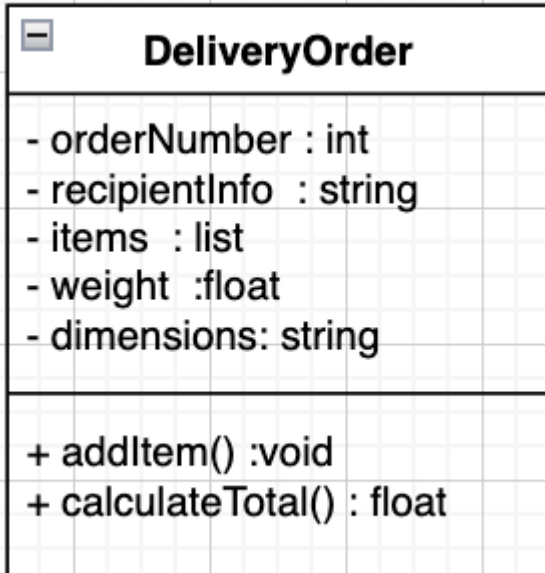**DeliveryOrder Class**

Object: Delivery Order

Represents a single order made by a user, containing all necessary details such as order number, recipient information, and the items ordered.

Attributes:
- orderNumber: Unique numbers for the order.
- recipientInfo: Information about the recipient of the order.
- items: List of items included in the order.
- weight: Total weight of the order.
- dimensions: Dimensions of the order's package.

Methods:
- addItem(item: Item): Adds an item to the order.
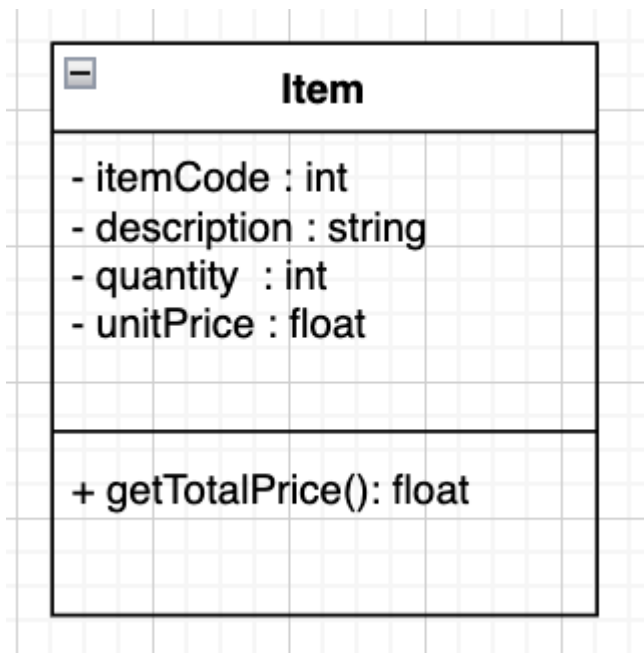- calculateTotal(): Calculates the total cost of the order.

Item Class

Object: Item

Represents an item within an order, detailing the code, description, quantity, and unit price.

Attributes:
- itemCode: Number code for identifying the item.
- description: Description of the item.
- quantity: Quantity of the item ordered.
- unitPrice: Price per unit of the item.

Methods:
- getTotalPrice(): Calculates the total price of the item based on quantity and unit price

```
┌──────────────────────────────┐
│ ▬   Item                     │
├──────────────────────────────┤
│ - itemCode : int             │
│ - description : string       │
│ - quantity  : int            │
│ - unitPrice : float          │
├──────────────────────────────┤
│ + getTotalPrice(): float     │
└──────────────────────────────┘
```

DeliveryNote Class
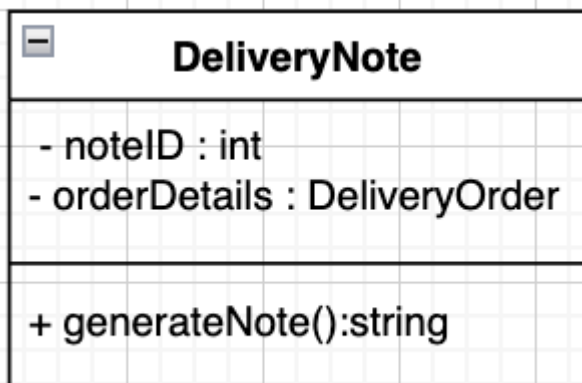
Object: Delivery Note

Represents the delivery note that is generated for an order, containing details necessary for delivery documentation.

Attributes:
- noteId: Unique numbers for the note.
- orderDetails: Details of the order, a reference to the DeliveryOrder.

Methods:
- generateNote(): Generates a detailed note for the delivery based on the order details.

```
┌─────────────────────────────────────┐
│ ▭      DeliveryNote                  │
├─────────────────────────────────────┤
│ - noteID : int                      │
│ - orderDetails : DeliveryOrder      │
├─────────────────────────────────────┤
│ + generateNote():string             │
└─────────────────────────────────────┘
```

DeliveryStatus Class

Object: Delivery Status

Tracks and updates the status of an order as it moves through the delivery process.

Attributes:
- orderNumber: Corresponds to the order number in DeliveryOrder.
- recipientInfo: Contains recipient information for quick reference.
- items: Summarized list of items, for status tracking.
- weight: Total weight, used for logistical tracking.
- dimensions: Dimensions, used for logistical tracking.

Methods:
- EstimateDeliveryTime(): Estimates the delivery time based on the current status and logistics data.

DeliveryStatus

- orderNumber :int
- recipientInfo : string
- items   : list
- weight : float
- dimensions : string

+EstimateDeliveryTime(): DateTime