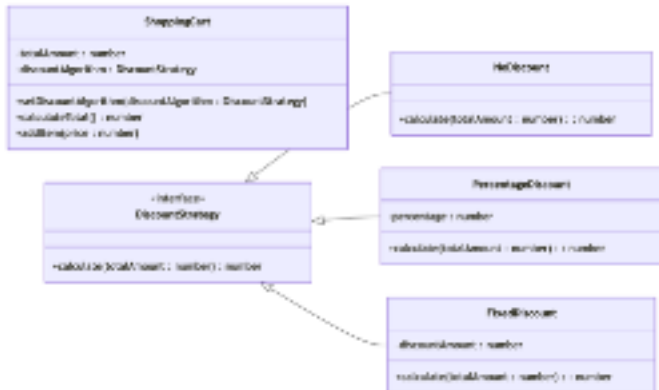**Ian**

Tyler

Temple

ShoppingCart

-totalAmount : number
-discountAlgorithm : DiscountStrategy

+setDiscountAlgorithm(discountAlgorithm : DiscountStrategy)
+calculateTotal() : number
+addItem(price : number)

-interface-
DiscountStrategy

+calculate(totalAmount : number) : number

ShoppingCart

- totalAmount : number
- discountAlgorithm : DiscountStrategy

- setDiscountAlgorithm(discountAlgorithm : DiscountStrategy)
- calculateTotal() : number
- addItem(price : number)

NoDiscount

+ calculate(totalAmount : number) : : number

«interface»
DiscountStrategy

+ calculate(totalAmount : number) : number

PercentageDiscount

- percentage : number

+ calculate(totalAmount : number) : : number

FixedDiscount

- discountAmount : number

+ calculate(totalAmount : number) : number

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- Fixed

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