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| SecurityConfig |

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| - securitySettings: SecuritySettings |

| - jwtUtil: JwtUtil |

+---------------------------------------------------------+

| + configureSecurity(): void |

+---------------------------------------------------------+

+---------------------------------------------------------+

| BillingController |

+---------------------------------------------------------+

| - billingService: BillingService |

+---------------------------------------------------------+

| + createBill(billRequest: BillRequest): BillResponse |

| + getBillById(billId: Long): BillResponse |

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| BillingService |

+---------------------------------------------------------+

| - currencyExchangeService: CurrencyExchangeService |

| - discountService: DiscountService |

+---------------------------------------------------------+

| + calculateTotalAmount(billRequest: BillRequest): double|

| + applyDiscount(bill: Bill): Bill |

| + processCurrencyExchange(bill: Bill): Bill |

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| CurrencyExchangeService |

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| + convertCurrency(fromCurrency: String, toCurrency: String,

| amount: double): double |

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| DiscountService |

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| + applyDiscount(bill: Bill): Bill |

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| JwtUtil |

+---------------------------------------------------------+

| + generateToken(user: User): String |

| + validateToken(token: String): boolean |

| + extractUserIdFromToken(token: String): Long |

+---------------------------------------------------------+

+---------------------------------------------------------+

| Bill |

+---------------------------------------------------------+

| - items: List<Item>

| - items: Employee

| - items: USerType

| - items: totalammount

| - items: CustomerTenure

| - items: target currency

| - items: original currency

| - userType: UserType

| - userType: isGrosseries |

+---------------------------------------------------------+

| + getTotalAmount(): double |

| + getDiscountedAmount(): double |

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| BillResponse |

+---------------------------------------------------------+

| - billId: |

| - totalAmount: double |

| - discountApplied: double |

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| + getBillDetails(): String |

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| CurrencyExchangeApplication |

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| + main(args: String[]): void |

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