CS Student CS500-2024-08A-08B-1

9 Sep 2024

Group 5
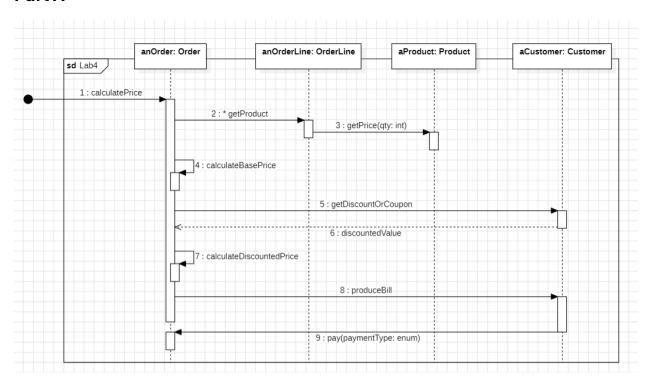
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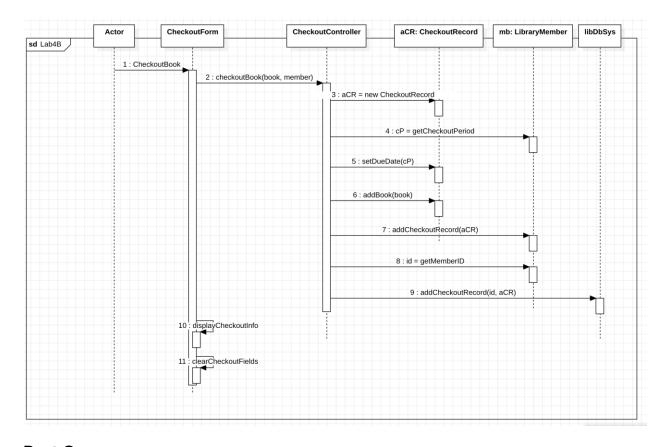
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Lab 4

Part A

Part B

sd Lab4B

| | Actor | CheckoutForm | CheckoutController | aCR: CheckoutRecord | mb: LibraryMember | libDbSys |

1 : CheckoutBook
2 : checkoutBook(book, member)
3 : aCR = new CheckoutRecord
4 : cP = getCheckoutPeriod
5 : setDueDate(cP)
6 : addBook(book)
7 : addCheckoutRecord(aCR)
8 : id = getMemberID
9 : addCheckoutRecord(id, aCR)
10 : displayCheckoutInfo
11 : clearCheckoutFields

Part C

https://github.com/xuanlocle/miu-mpp/tree/main/Lab4/ProblemC/src

Part D

sd Problem4D

Employee	Hourly	Salaried	Commissioned	Order	Paycheck

1 : * print(month, year)

2 : p = calcCompensation(month, year)

alt polymorphism

3.1 : gp = calcGrossPay(month, year)

3.2 : gp = calcGrossPay(month, year)

3.3 : gp = calcGrossPay(month, year)

3.3.1 : * getOrderAmount

4 : print(p)