





**LEVEL UP**

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# Communication Diagram

```
totalFines = getFinesDue(userID)
```



:LibrarySystem

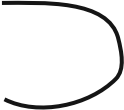


lu:LibraryUser









1. u = getuser(userID)



```
2. totalFines =  
getFinesDue()
```



2.1 totalFines = getFinesDue()









:checkOuts



media: List



2.1.1 \* **nn** = *questi*



Im :LibraryMedia



2.1.2\* fine ==

getFineDue(dueDate)



```
:LendingPolicy  
{ abstract }
```





2.1.2.1\* fine ==  
getFineDue(dueDate)







System operation

hand-drawn style

arrows indicate direction  
of call





method definitions and returned

values

**\* methods  
called  
multiple  
times**

polymorphism (see  
diagrams at right)



f = getFineDue(  
cd, dd)

:KidsBookLendingPolicy

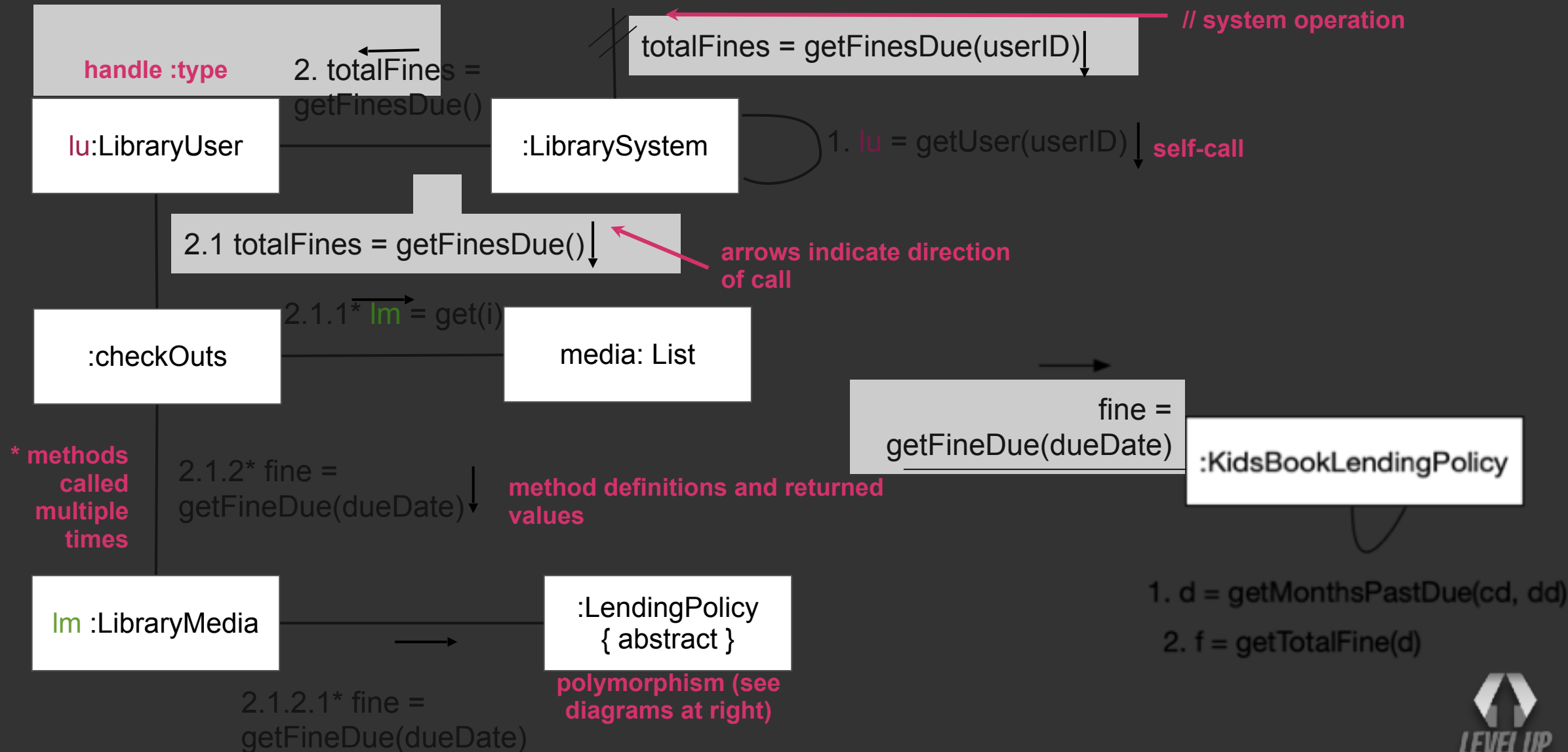
1. d = getMonthsPastDue(cd, dd)
2. f = getTotalFine(d)

seif-cao

```
fine =  
getFineDue(dueDate)
```



# Communication Diagram





# Communication Diagram - Numbering

