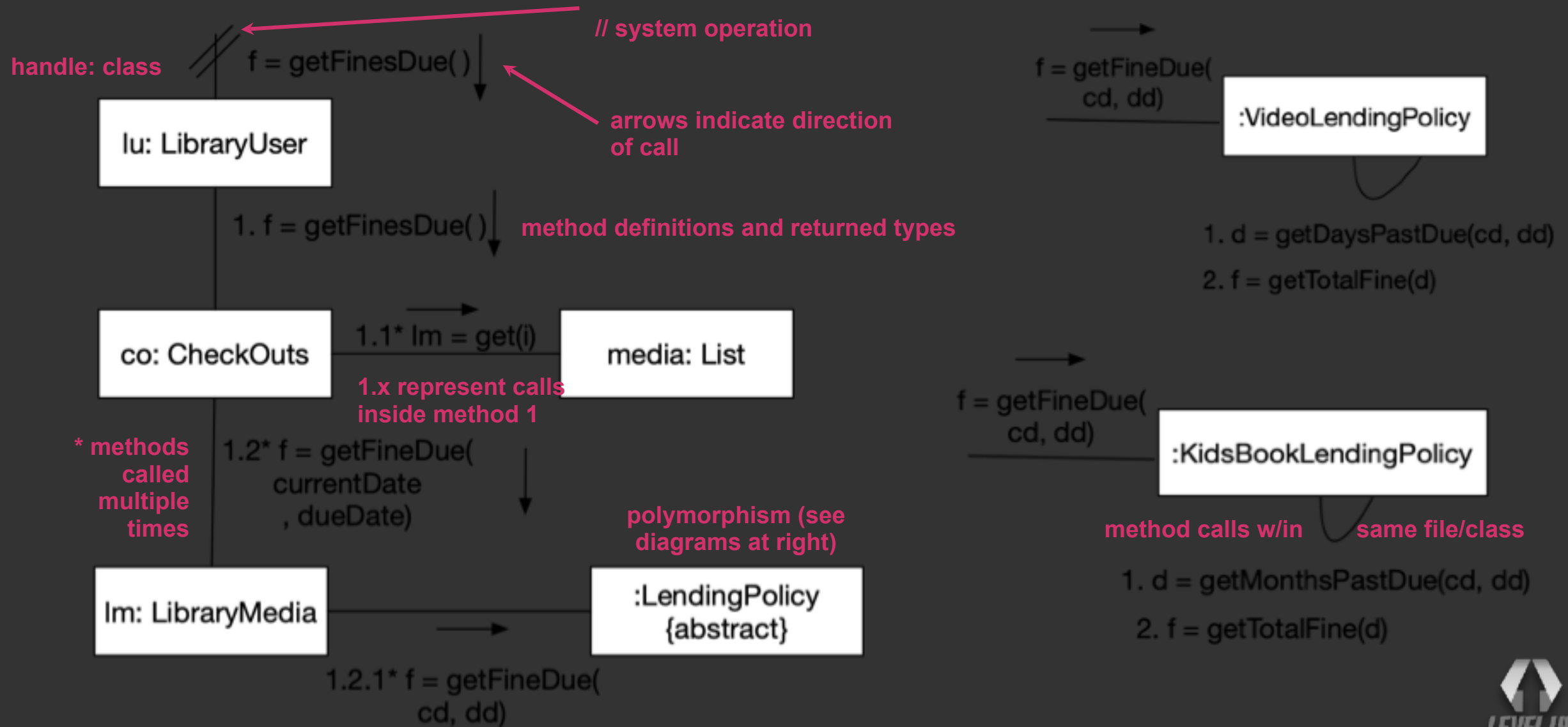
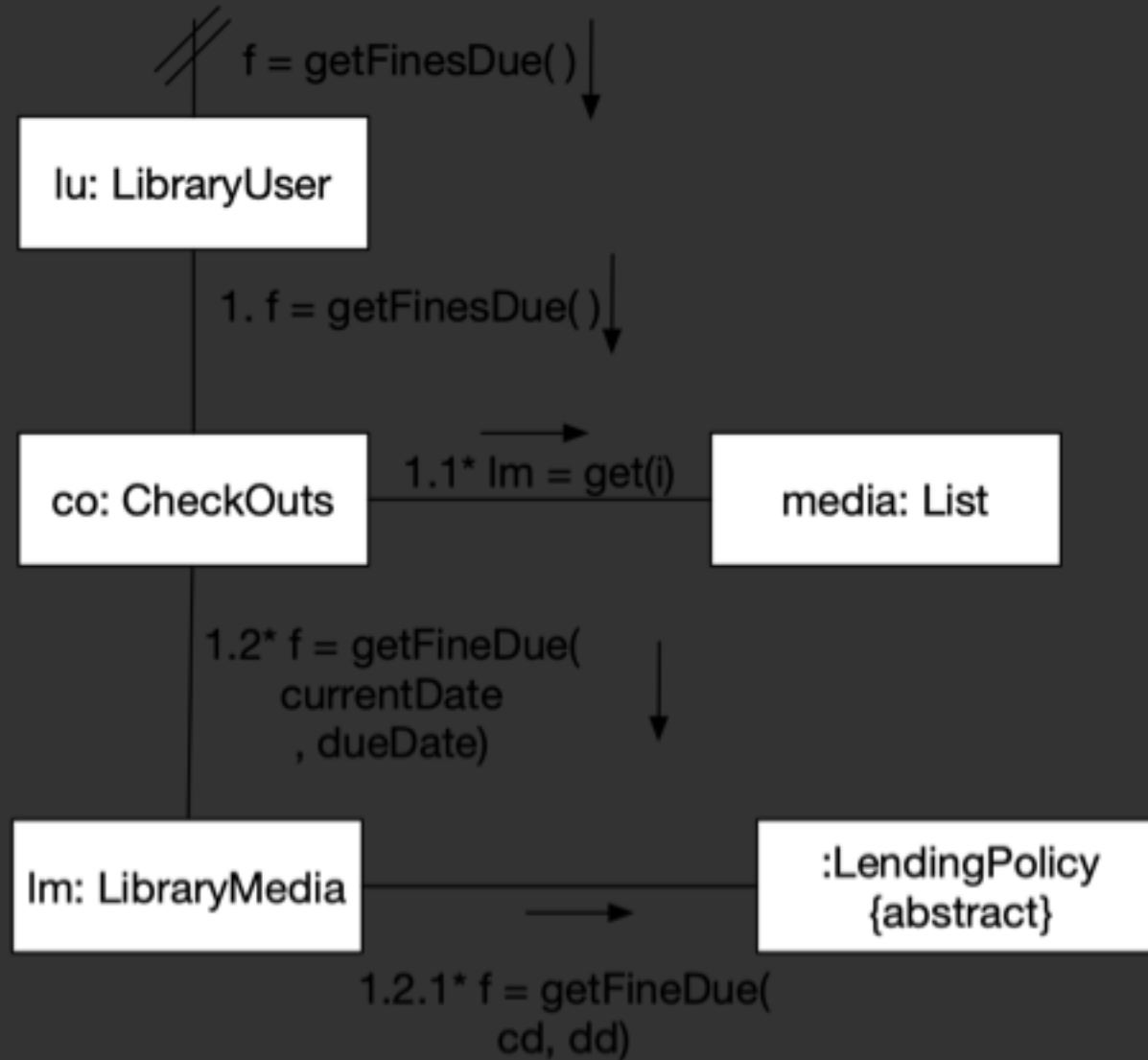


Communication Diagram



Communication Diagram



```
class LibraryUser {
    CheckOuts co;
    public double getFinesDue() {
        return co.getFinesDue();
    }
}

public class Checkouts{
    List<LibraryMedia> media;
    Date currentDate; Date dueDate;
    public double getFinesDue() {
        double f = 0;
        for each lm in media
            1.1 f+= lm.getFineDue(currentDate, dueDate);
        1.2 return f;
    }
}

public class LibraryMedia{
    LendingPolicy lp;
    public double getFineDue(date, date) {
        1.2.1 return lp.getFineDue();
    }
}
```

Arrows indicate the mapping from the diagram messages to the code:

- Message `1. f = getFinesDue()` from **lu: LibraryUser** to **co: CheckOuts** maps to the `getFinesDue()` method in **LibraryUser**.
- Message `1.1* lm = get(i)` from **co: CheckOuts** to **media: List** maps to the `for each lm in media` loop in **Checkouts**.
- Message `1.2* f = getFineDue(currentDate, dueDate)` from **co: CheckOuts** to **lm: LibraryMedia** maps to the `getFinesDue()` method in **Checkouts**.
- Message `1.2.1* f = getFineDue(cd, dd)` from **lm: LibraryMedia** to **:LendingPolicy {abstract}** maps to the `getFineDue()` method in **LibraryMedia**.