

COLLABORATION DIAGRAM

Prof. Sudip Misra
Department of Computer Science & Engineering
Indian Institute of Technology, Kharagpur
<http://cse.iitkgp.ac.in/~smisra/>



WHAT IS COLLABORATION DIAGRAM?

- A Collaboration diagram represents a set of named objects and actors with links connecting among them, in order to perform some task
- When a set of context is given, a collaboration diagram represents participants and relationships which are relevant to the given set of context
- An Objects are able to produce (usable) high-level functionalities by working together

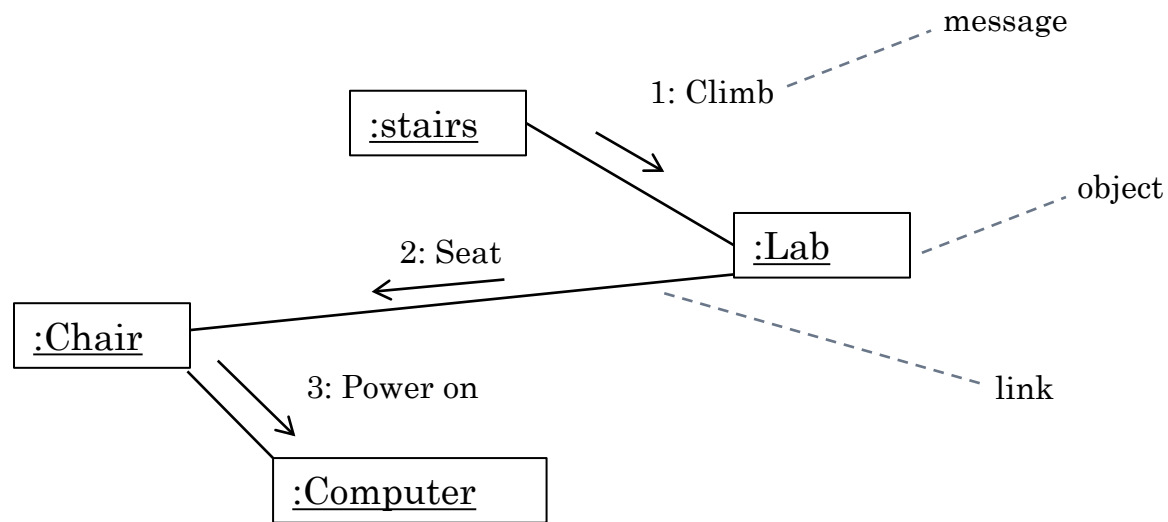


WHY COLLABORATION DIAGRAM?

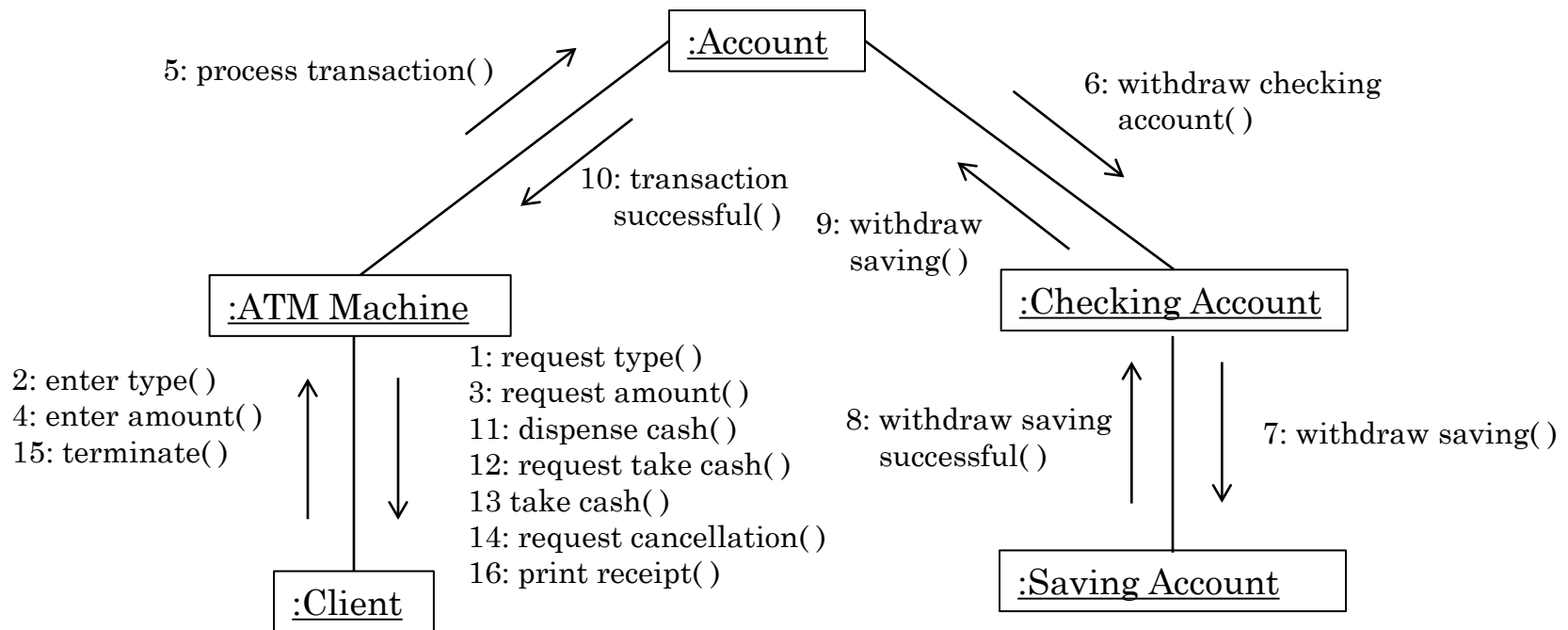
- Very similar to sequence diagram
- When the time sequence is not required then collaboration diagram is used
- Collaboration diagram is very helpful in for the static view of the interactions between the objects
- The numbers used in collaboration diagram represents how one method is called just after another



COMPONENTS OF COLLABORATION DIAGRAM?



EXAMPLE: ATM MACHINE

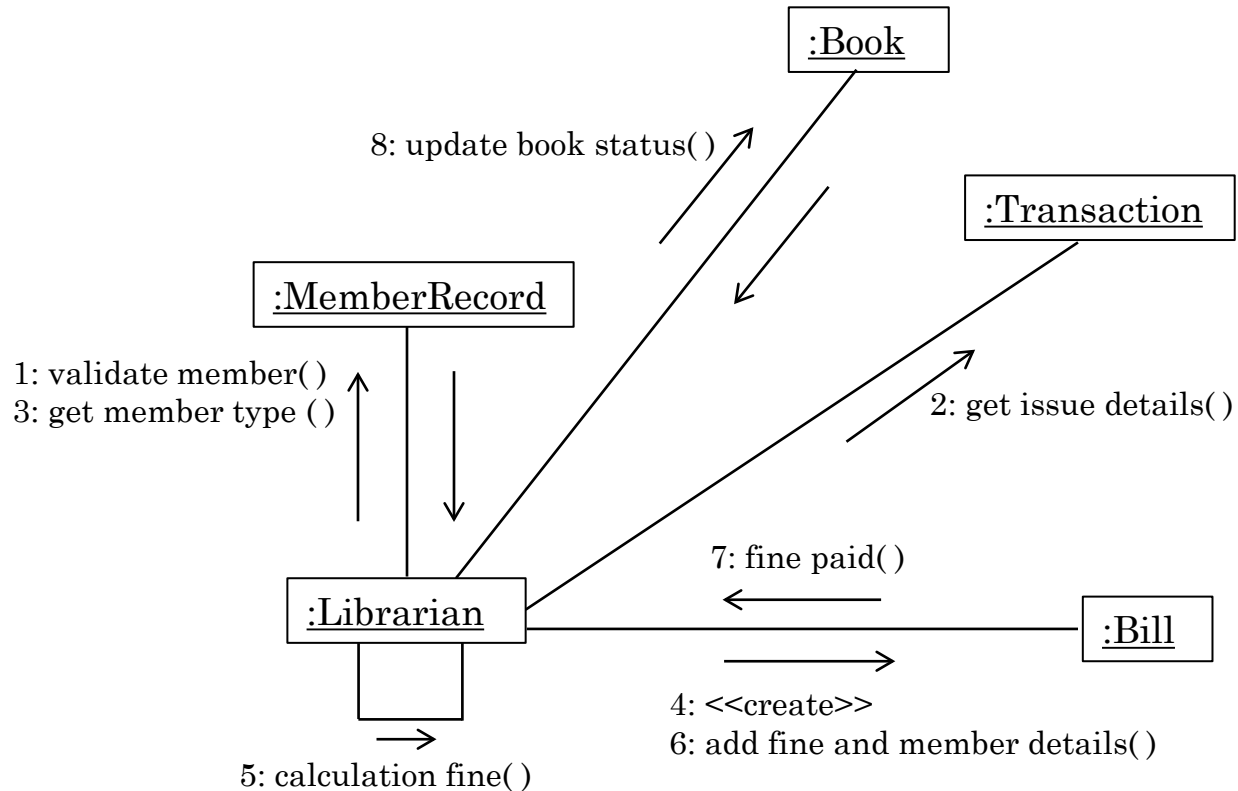


ASSIGNMENT: FINE IN A LIBRARY SYSTEM

- Let there is a library, update the book status and make a collaboration diagram
- Consider Librarian, Member record, Book, Bill, and Transaction as object



SOLUTION: FINE IN A LIBRARY SYSTEM



THANK YOU

