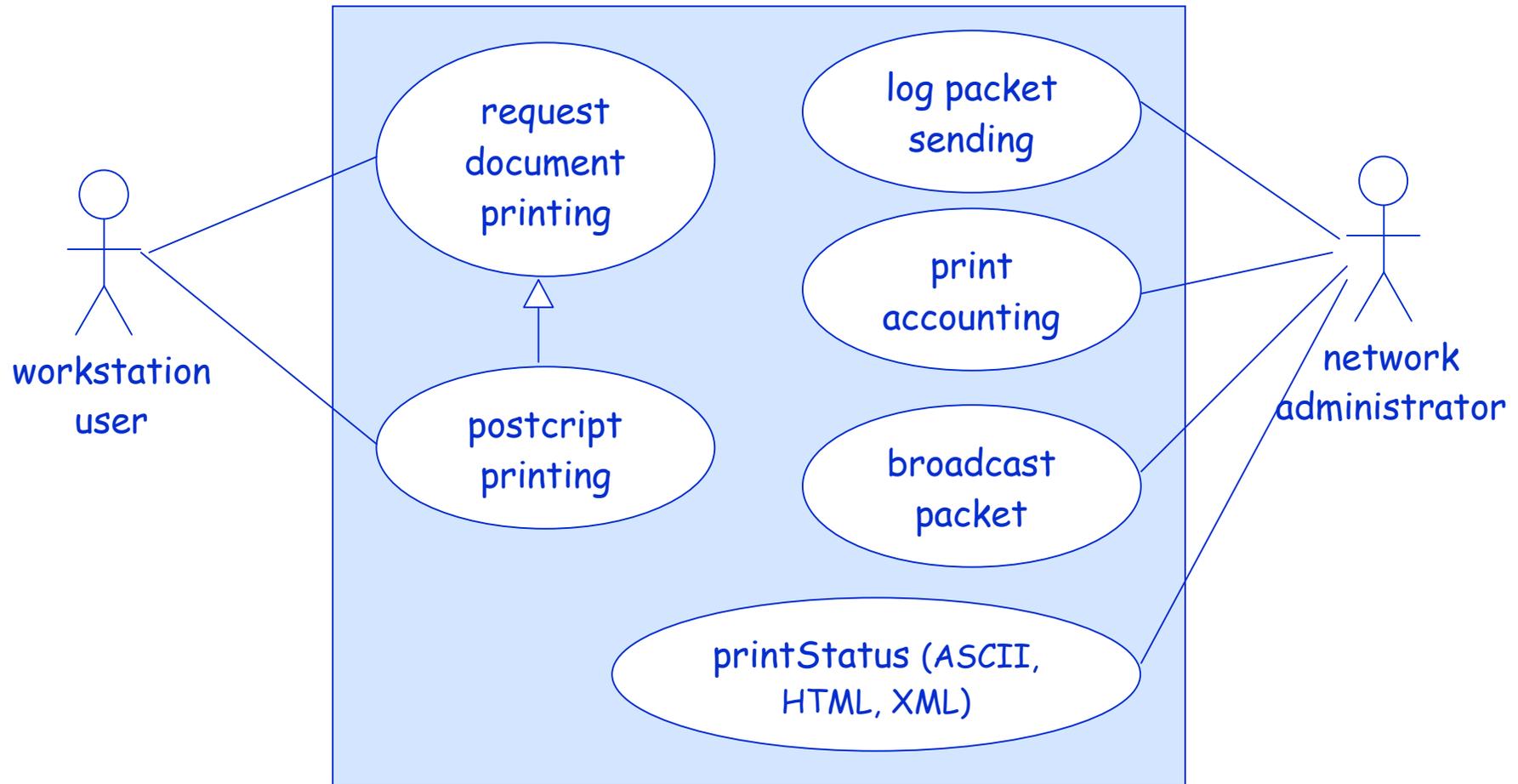
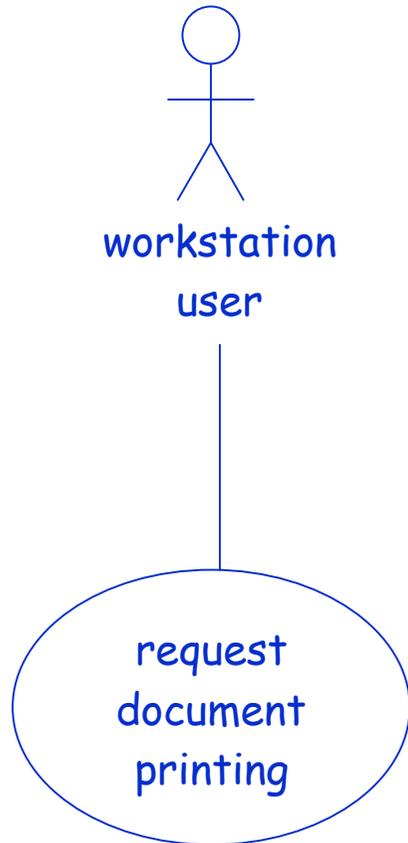


LAN Simulation: Use Cases



LAN Simulation: Scenario



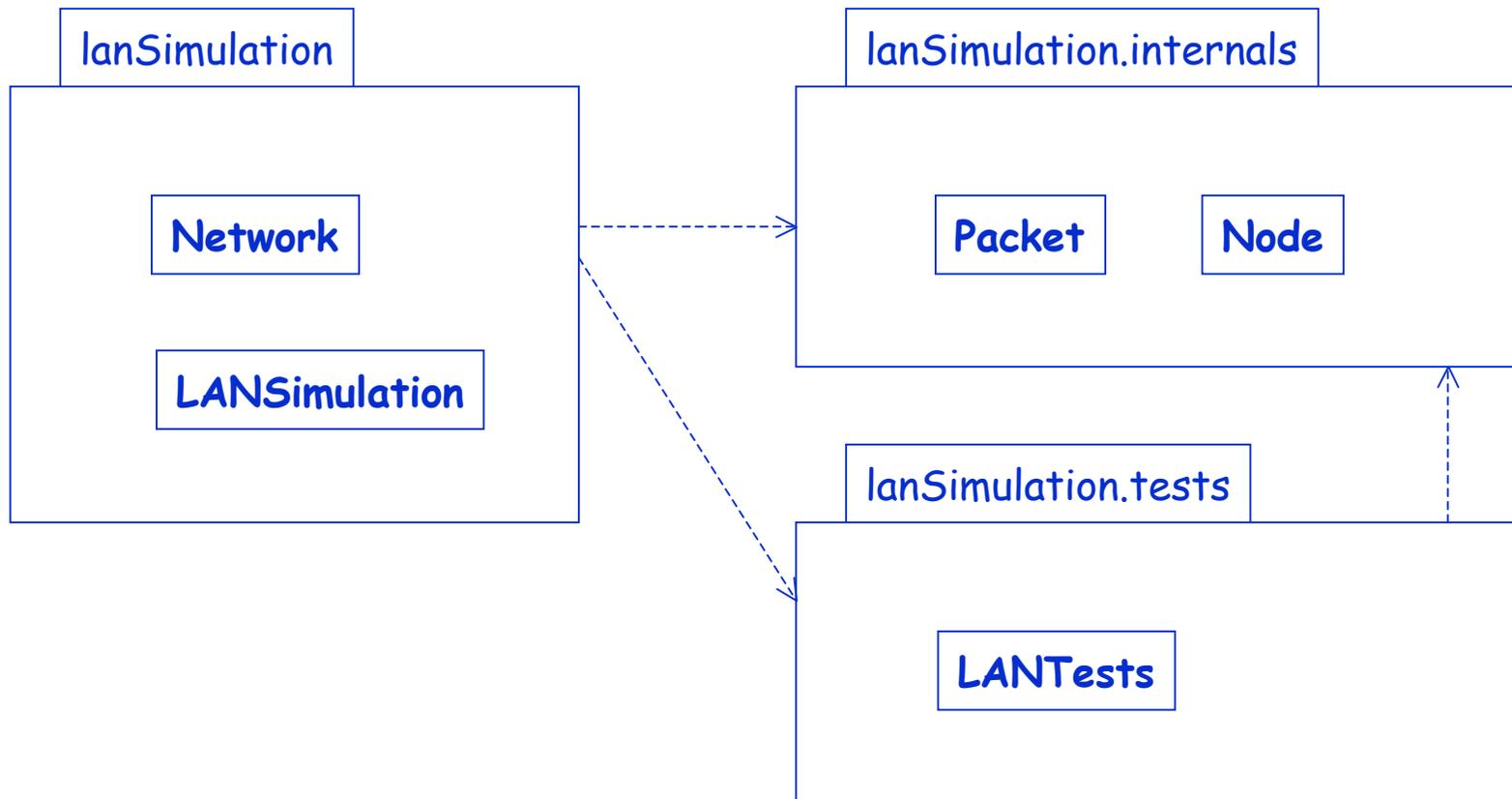
Use Case 1: request document printing

- *Goal:* workstation prints document on target printer
- *Precondition:* (1) a consistent LAN Network; (2) workstation; (3) a document; (4) name printer
- *Success end:* network delivers document on printer

Steps

1. Create a packet p with $p.destination = target\ printer\ name;$
 $p.source = workstation\ name$ and $p.contents = document$
2. $currentNode := Workstation.nextNode$
3. WHILE ($p.destination \neq currentNode.name$) AND ($p.source \neq currentNode.name$) DO
 - 3.1 $currentNode := currentNode.next$
4. IF ($p.destination = currentNode.name$) AND ($currentNode.isPrinter$)
 - 4.1 Print Success
5. ELSE
 - 5.1 Print Failure

LAN Simulation: Design



LAN Simulation: Detailed Design

