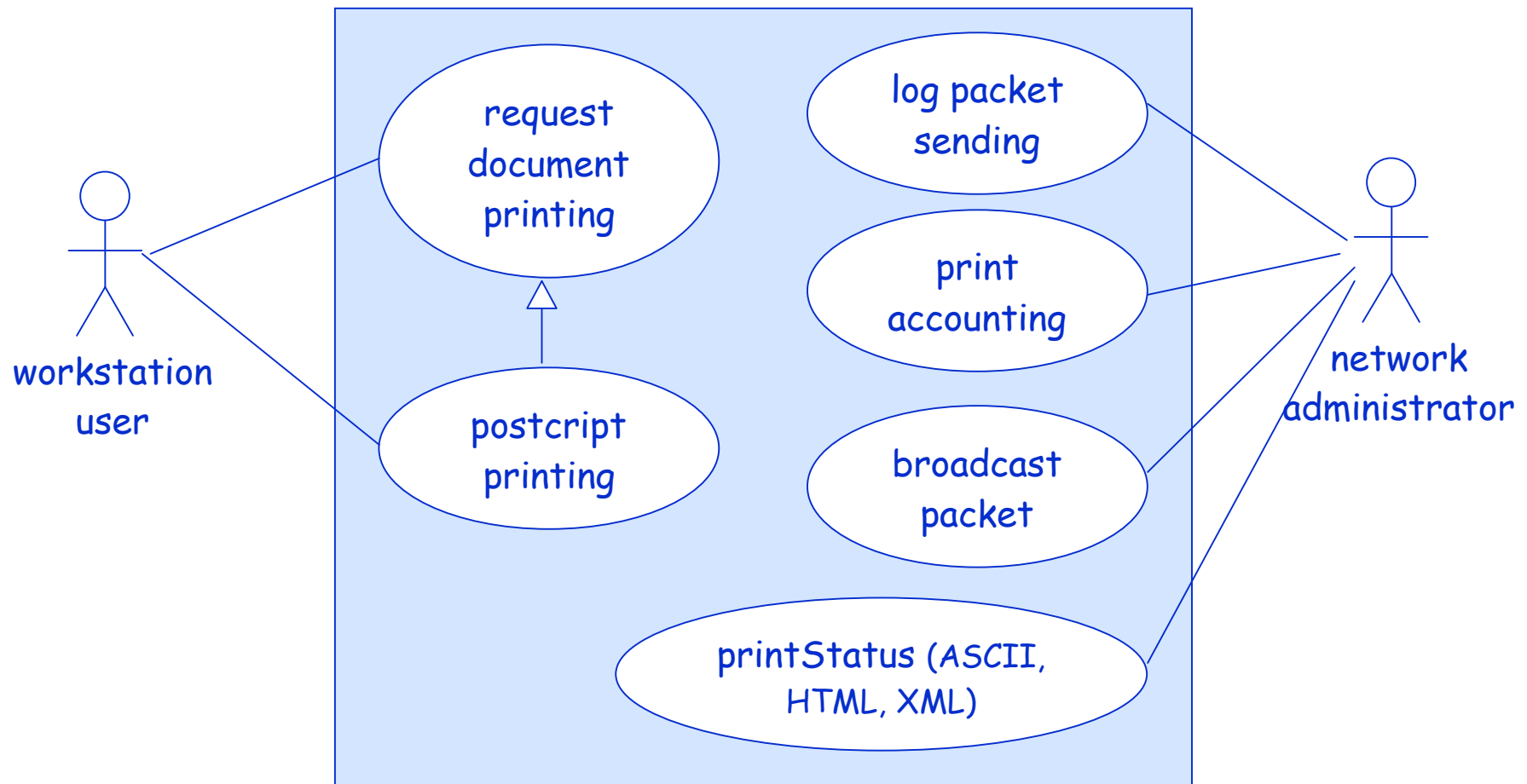


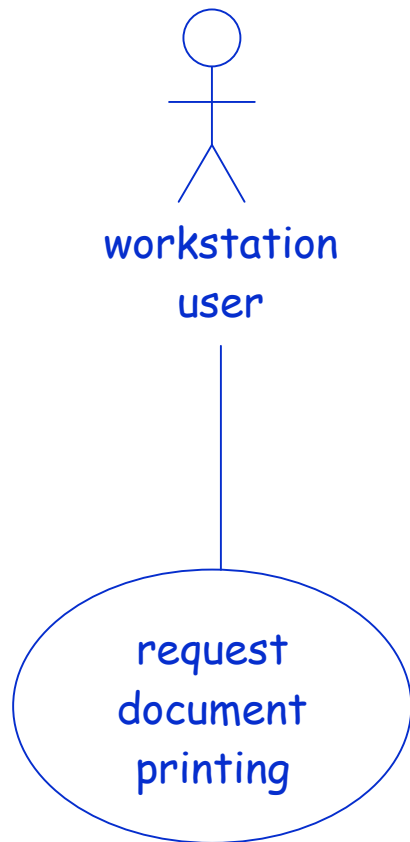
# LAN Simulation: Use Cases

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# LAN Simulation: Scenario

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## Use Case 1: request document printing

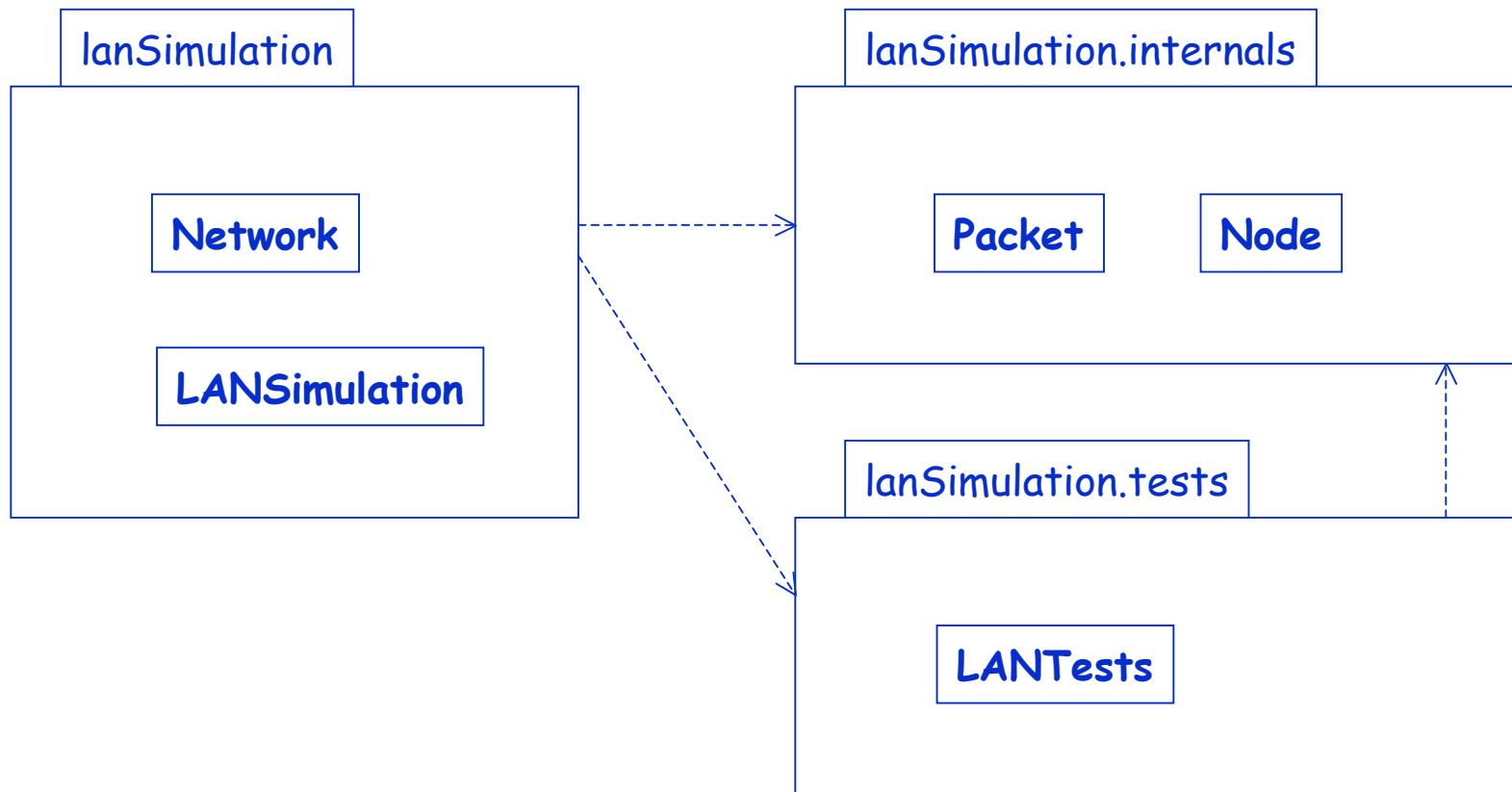
- *Goal:* workstation prints document on target printer
- *Precondition:* (1) a consistent LAN Network; (2) workstation; (3) a document; (4) name printer
- *Success end:* network delivers document on printer

## 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* <> *currentNode.name*) AND (*p.source* <> *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

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# LAN Simulation: Detailed Design

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