Sample Input

Here are the actions that occur in our sample scenario:

* Check-in: John, severity 3
* Check-in: Mary, severity 1
* Check-in: Peter, severity 3
* Check-in: Sarah, severity 2
* Display
* Check-out (Doctor sees the next patient)
* Display

Sample Output

Initial Queue (after all check-ins):

* Mary (Severity: 1)
* Sarah (Severity: 2)
* John (Severity: 3)
* Peter (Severity: 3)

Queue after one check-out:

* Sarah (Severity: 2)
* John (Severity: 3)
* Peter (Severity: 3)