```
1   public class FifoReadWriteLock implements ReadWriteLock {
2     int readAcquires, readReleases;
3     boolean writer;
4     Lock lock;
5     Condition condition;
6     Lock readLock, writeLock;
7     public FifoReadWriteLock() {
8       readAcquires = readReleases = 0;
9       writer = false;
10      lock = new ReentrantLock();
11      condition = lock.newCondition();
12      readLock = new ReadLock();
13      writeLock = new WriteLock();
14    }
15    public Lock readLock() {
16      return readLock;
17    }
18    public Lock writeLock() {
19      return writeLock;
20    }
21    ...
22  }
```

FIGURE 8.9 The FifoReadWriteLock class: fields and public methods.