```java
package Modelo;

import java.util.ArrayList;
import java.util.concurrent.locks.Lock;
import java.util.concurrent.locks.ReentrantLock;

/**
 *
 * @author sergi
 */
public class RegistroNinno {
    private ArrayList<Ninno> listaNinnos;
    private Lock cerr = new ReentrantLock();

    public RegistroNinno(){
        listaNinnos= new ArrayList<Ninno>();
    }

    public void annadir(Ninno ninno){
        cerr.lock();
        try{
            if (listaNinnos.isEmpty()) listaNinnos.add(ninno);
            else{
                int i = listaNinnos.size()-1;
                while (ninno.compareTo(listaNinnos.get(i)) < 0){
                    i--;
                }
                listaNinnos.add(i+1, ninno);
            }
        } finally {
            cerr.unlock();
        }
    }

    private int binarySearch(String idNinno){
        int left = 0, right = listaNinnos.size() - 1;
        while (left <= right)
        {
            int mid = left + (right - left) / 2;

            // Check if x is present at mid
            if (listaNinnos.get(mid).equals(idNinno))
                return mid;

            // If x greater, ignore left half
            if (listaNinnos.get(mid).compareTo(idNinno) < 0)
                left = mid + 1;

            // If x is smaller, ignore right half
            else
                right = mid - 1;
        }

        // if we reach here, then element was
        // not present
        return -1;
    }

    public int numActividadesNinno(String idNinno){
        cerr.lock();
        try{
            int pos = binarySearch(idNinno);
            if (pos < 0 || idNinno.equals("N")){
                return -1;
            }
            return listaNinnos.get(pos).actividadesRealizadas();
        } finally {
            cerr.unlock();
        }
```

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70     }
71 }
72
```