UNIVERSIDAD DE LAS FUERZAS ARMADAS

ESPE

Object-oriented programming

NRC: 9642

U2 Workshop N° 38

Topic: Exam U3 Correction

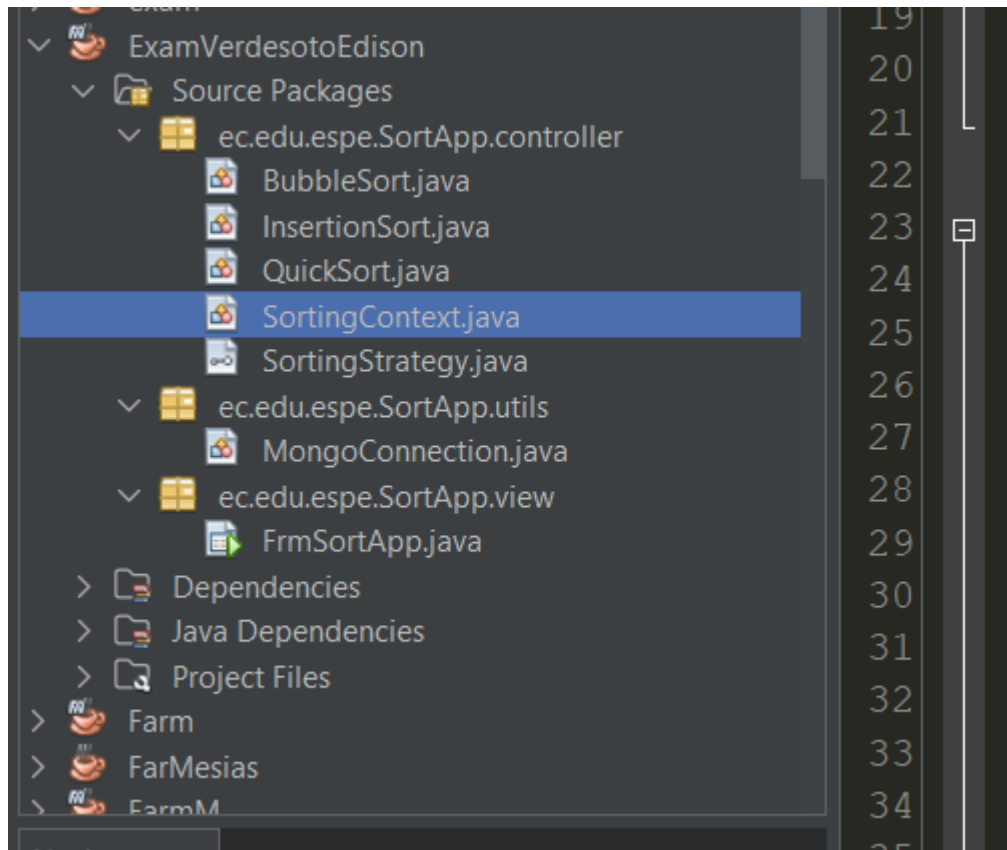**Ing. Jorge Edison Lascano. Ph.D.**

1. **VERDESOTO SEGOVIA EDISON DAMIAN**

Inspector: Mesias Mariscal

Rubric:

Total: 38

Strategy Pattern 10/10

3.

```java
 *
 * @author Edison Verdesoto, Code Warriors, DCCO-ESPE
 */
public class BubbleSort implements SortingStrategy {

    @Override
    public int[] sort(int[] data) {
        System.out.println("Bubble sort");
        int n = data.length;
        for (int i = 0; i < n-1; i++) {
            for (int j = 0; j < n-i-1; j++) {
                if (data[j] > data[j+1]) {
                    int temp = data[j];
                    data[j] = data[j+1];
                    data[j+1] = temp;
                }
            }
        }
        return data;
    }
}
```

Gui: 9/10

Sort App Edison Verdesoto

43-15-100   Add   List

7	8	9
4	5	6
1	2	3
Del	0	-

Sort

Sort type

Not sorted

Sorted

MONGO 2/10

0/2 unsorted

0/2 size

0/2 sortAlgorithm

0/2 sorted

2/2 StrategyVerdesoto
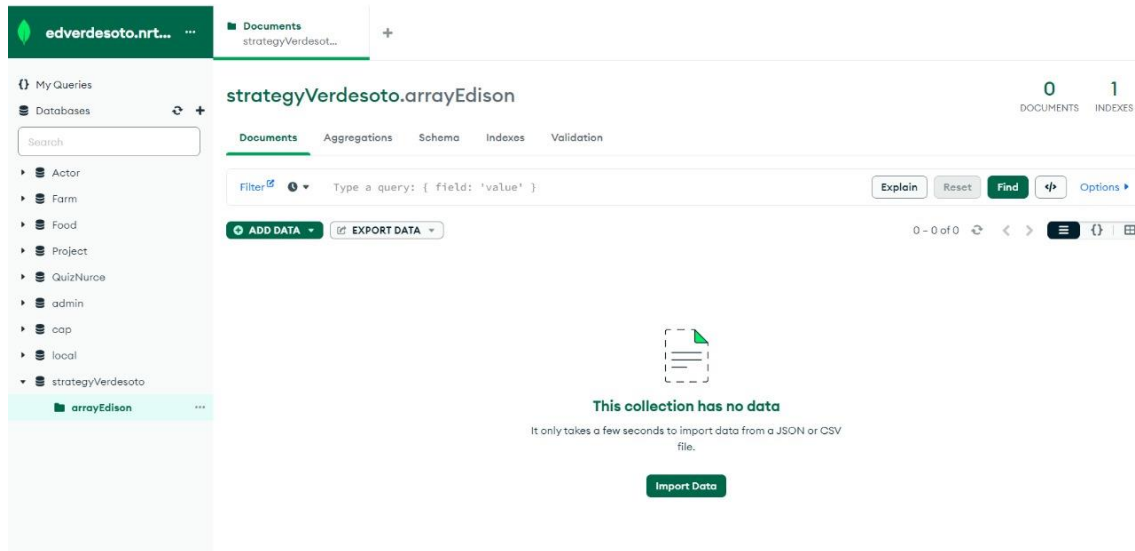
Working Algorithm 8/10

2/2

2/2

2/2

2/2

0/2 Mongo

Sort App Edison Verdesoto

	Add	**List**
7	8	9
4	5	6
1	2	3
Del	0	-

Sort

Bubble Sort: 6 elements

Not sorted

7, 8, 9, 1, -10, 10

Sorted

-10, 1, 7, 8, 9, 10

Sort App Edison Verdesoto

-10   [Add]   List

7	8	9
4	5	6
1	2	3
Del	0	-

[Sort]

Bubble Sort: 8 elements

Not sorted

1, 2, 3, 4, 9, 10, 1000, -1000

Sorted

-1000, 1, 2, 3, 4, 9, 10, 1000