

Homework #2:

Good practices

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Fixing the code:

1. Our first step for cleaning the code was analyzing how updateQuality() was working. Also we read the Read.me, in that way we could understand what the code was doing.

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1. After that, we translated the complicated and unnecessarily code to a new one and we proved that it was working before making other changes. We tried to loose coupling in every step.

```
var item = items[i];
            switch (item.type){
                case AGED:
                     if(item.quality < 50)
                         item.quality++;
                     if(item.sellIn < 0 && item.quality < 50)</pre>
                         item.quality++;
                     item.sellIn--;
                break;
                case NORMAL:
                     if(item.quality > 0)
                         item.quality--;
                     if(item.sellIn < 0 && item.quality > 0)
                         item.quality--;
                     item.sellIn--;
                break;
                case TICKETS:
                     if(item.sellIn <= 0)</pre>
                         item.quality=0;
                     else if(item.sellIn < 6)
                         item.quality+=3;
                     else if(item.sellIn < 11)
                         item.quality+=2;
                         item.quality++;
                break;
                case LEGENDARY:
                     break;
```

3. Then, we created a class called QualityService where we passed all the content from the updateQuality() method that was in ItemService.

```
| Figure | Description | Descr
```

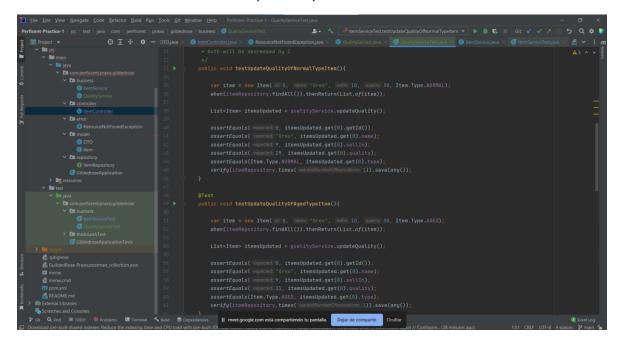
4. Inside the class QualityService we created the new methods for every type of item, with the exception of Legendary, because it should not be touched.

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5. Our next step was creating a new class for the tests associated to QualityService, then we wrote there the ones that were previously in ItemService.



6. Finally, we updated the ItemController creating ab object associated to the class QualityService.

