SOLID of team 5 - inventory Hardware Store

Single-responsibility principle

Model Package

• In the class electric tool there should only be a way to save the item, but there is also a validation about the quality of the product.

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Fig. East Vew Annyales Source Reform Run Debug Portle Team Tools Window Help

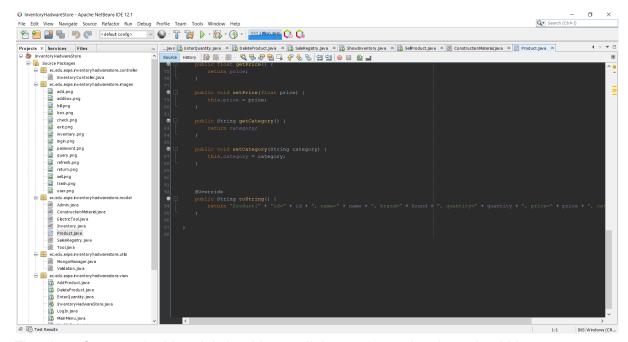
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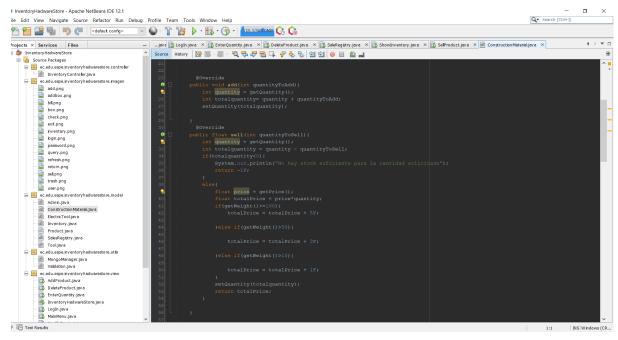
In class SalesRegistry the Constructor must go before the ToString

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In class Product the ToString must go before the getters and setters

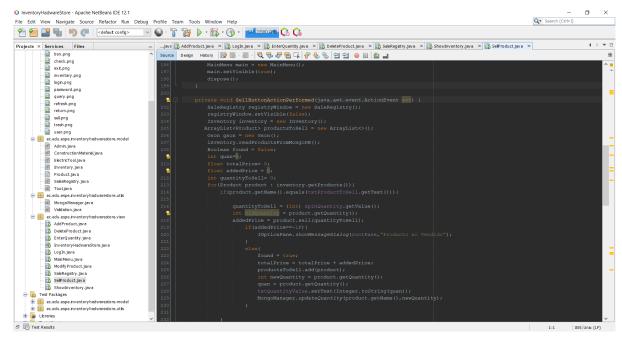


 The class ConstructionMaterial should not sell the products, the class should just create the information itself.

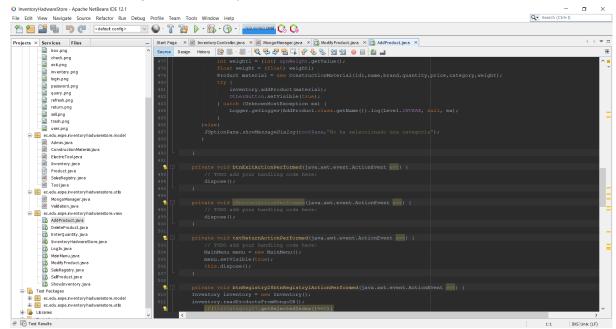


View Package

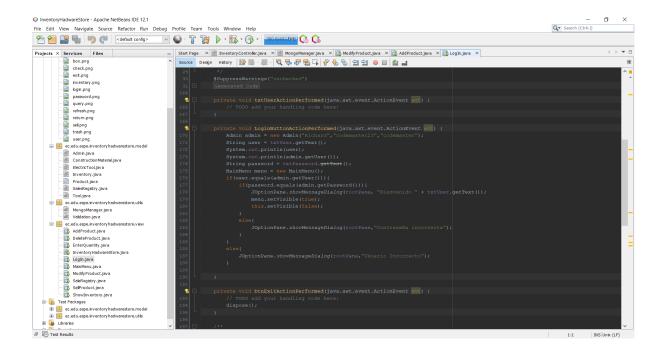
 The Gson object is found in some classes and do not use methods in each of its buttons



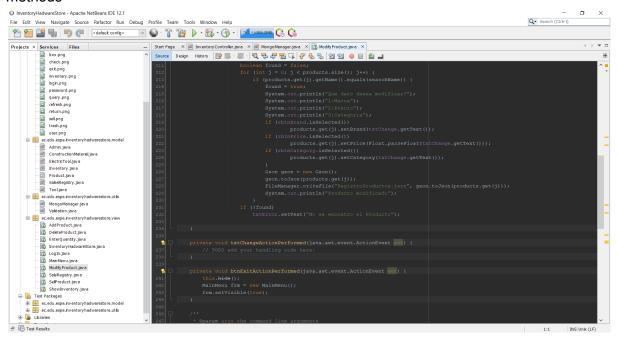
 AddProduct.In this class you have programmed in the buttons do not work with methods, in the design of the FRM you have a double screen that is not functional.



 Logging in this class the validation of the user and the password is being done locally.



 ModifyProduct In this class you have programmed in the buttons do not work with methods



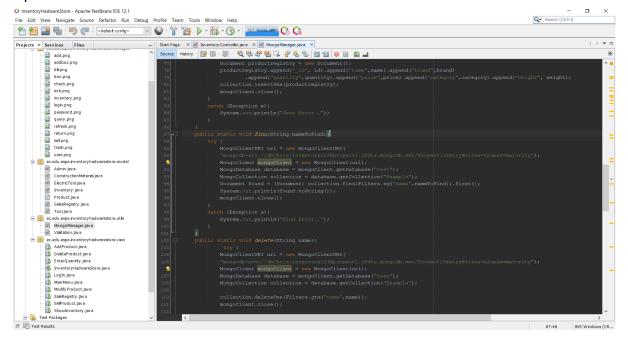
Controller Package

• In this class you have programmed menus, they should be called by methods.

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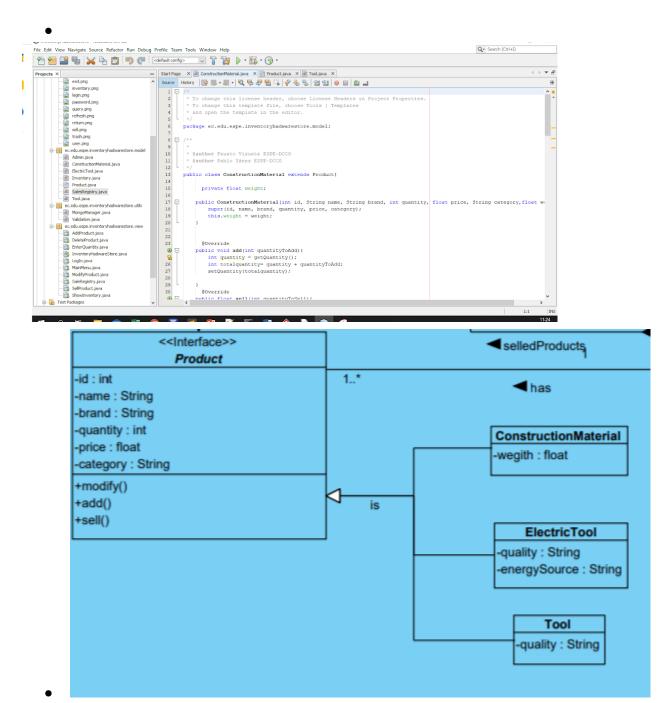
Utils Package

 To create save search, in each method call back to mongo URI, creating excess and repeated code



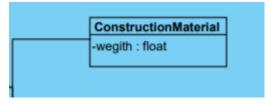
Open/Closed

Model Package

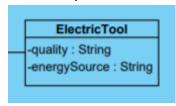


 encontramos que en las tres clases heredadas, no hay polimorfismo, por tanto de acuerdo al principio open closed, estos cambian ciertos aspectos y además añaden una función.

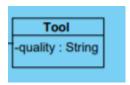
Principio de liskov de sustitución inversa.



1. no puede usar las mismas aplicaciones que la super clase padre.



2. Esta colinda con la utilización de otra clase que hacen algo parecido, además no puedo tener las mismas funciones que la superclase sin dañar la aplicación.

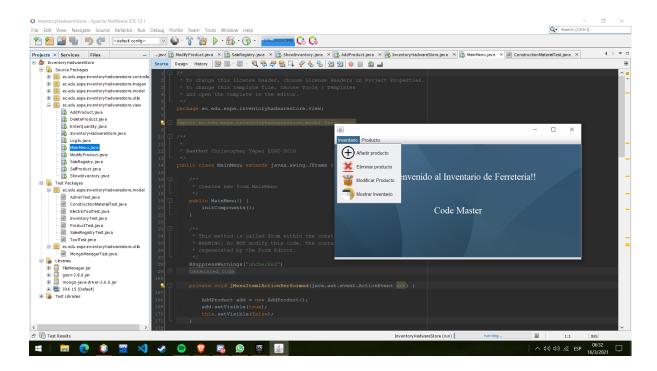


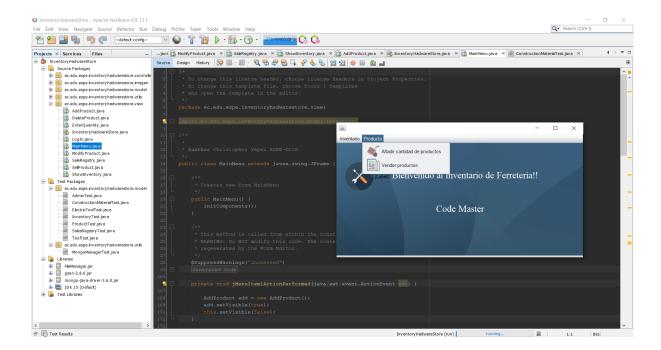
3. Esta es la clase que colinda en funciones con electric tool, ademas no hace lo que la super clase hace.

Por tanto estas tres co cumplen el principio liskov.

Interface segregation principle

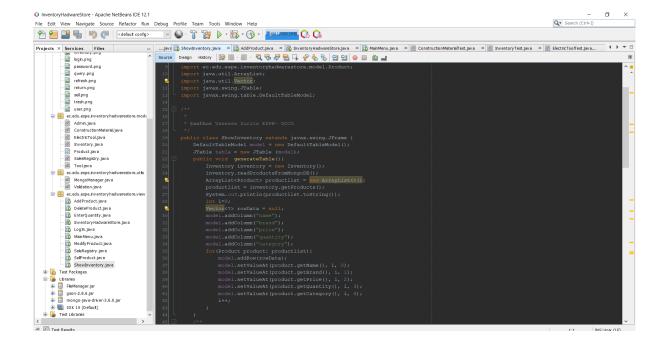
View Package



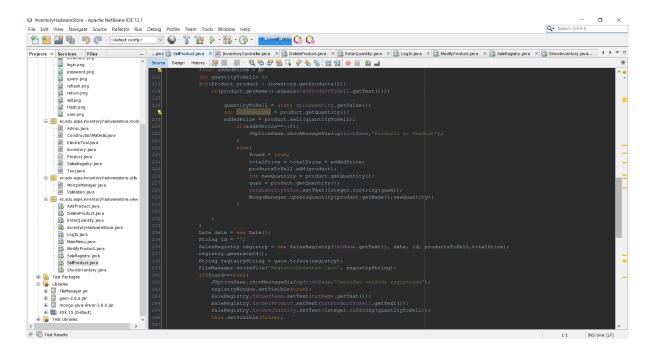


 In this case the interfaces are well displayed because they are not using general-purpose interfaces, instead they have specific interfaces with specific methods, the error is that some interfaces are not deployed when buttons are clicked.

Dependency inversion principle



 A higher-level class, such as the get inventory, is depending on other higher-level ones, such as show inventory method. It is responsible for creating instances of those objects and then using them.



A higher-level class, such as add product, depends on higher-level ones, such as sell
product method. It is responsible for creating instances of those objects and then
using them.