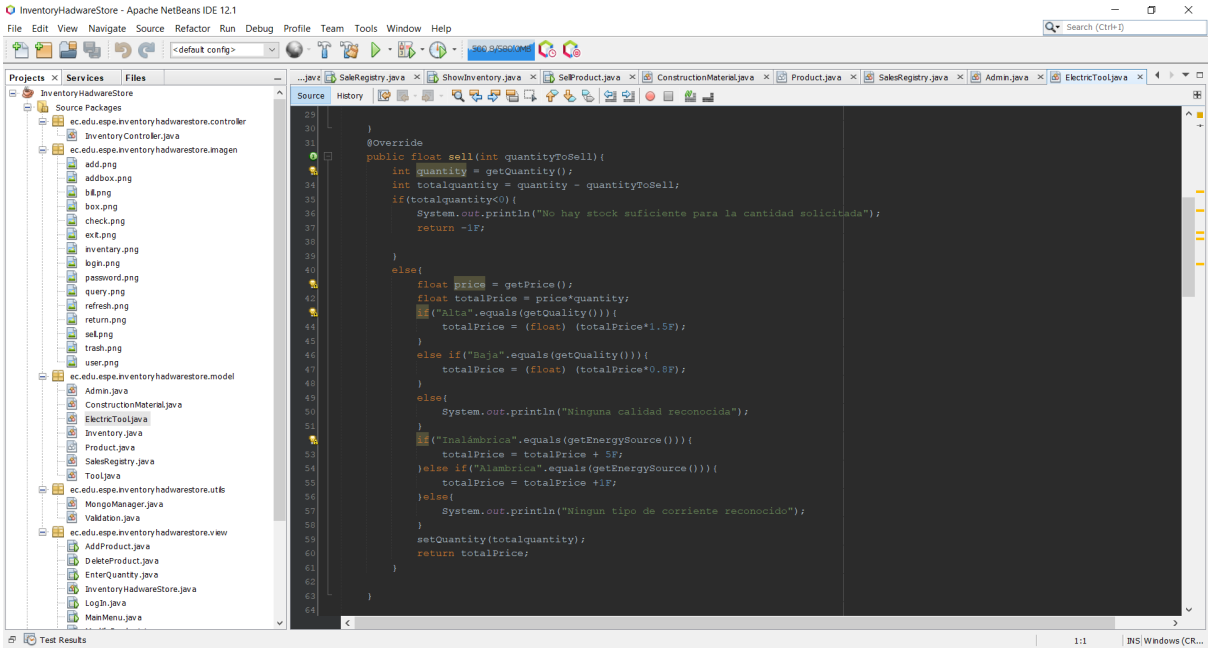
SOLID of team 5 - inventory Hardware Store

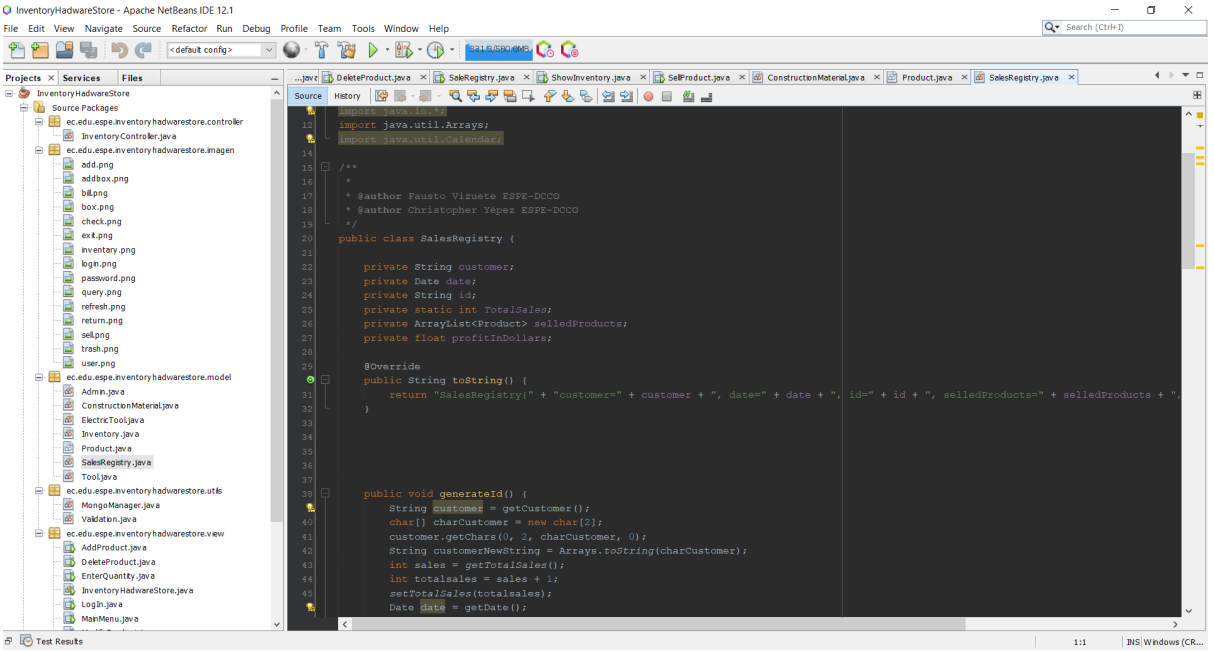
Single-responsibility principle

Model Package

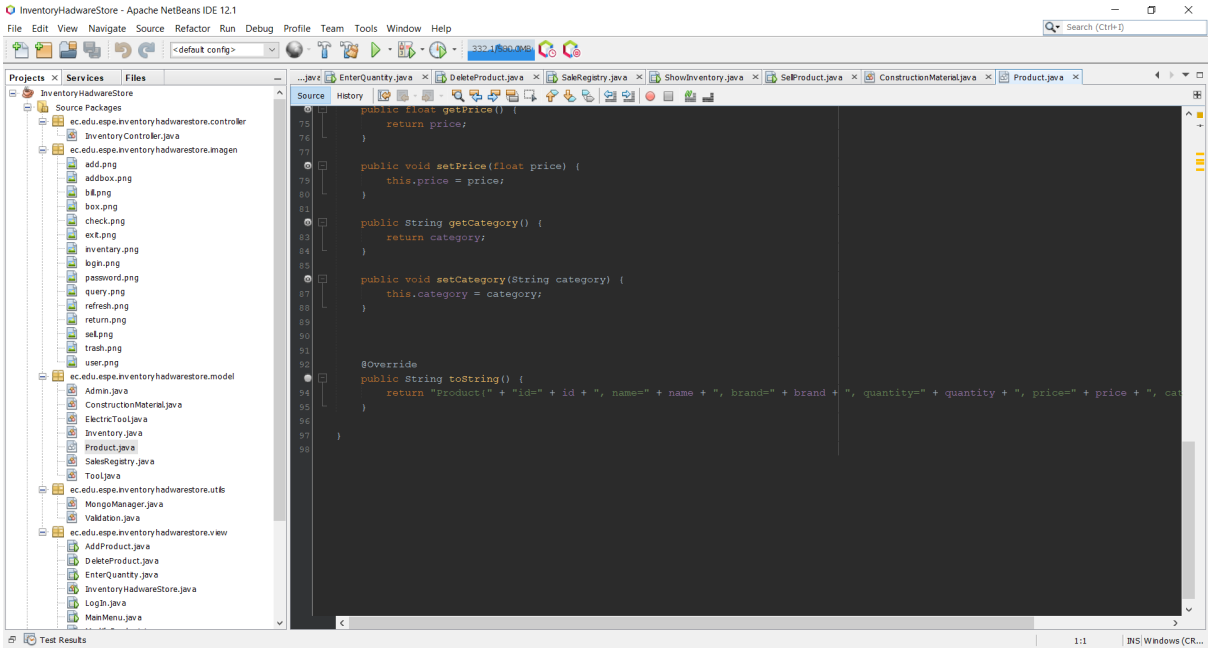
- In the class electric tool there should only be a way to save the item, but there is also a validation about the quality of the product.



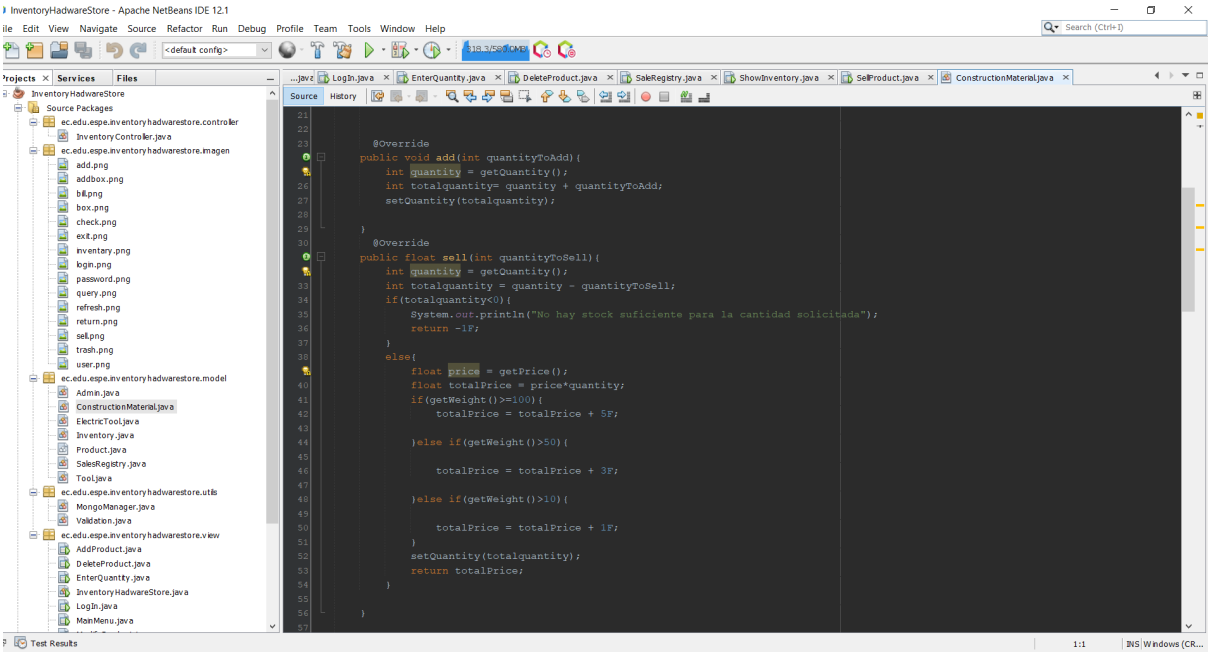
- In class SalesRegistry the Constructor must go before the ToString



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

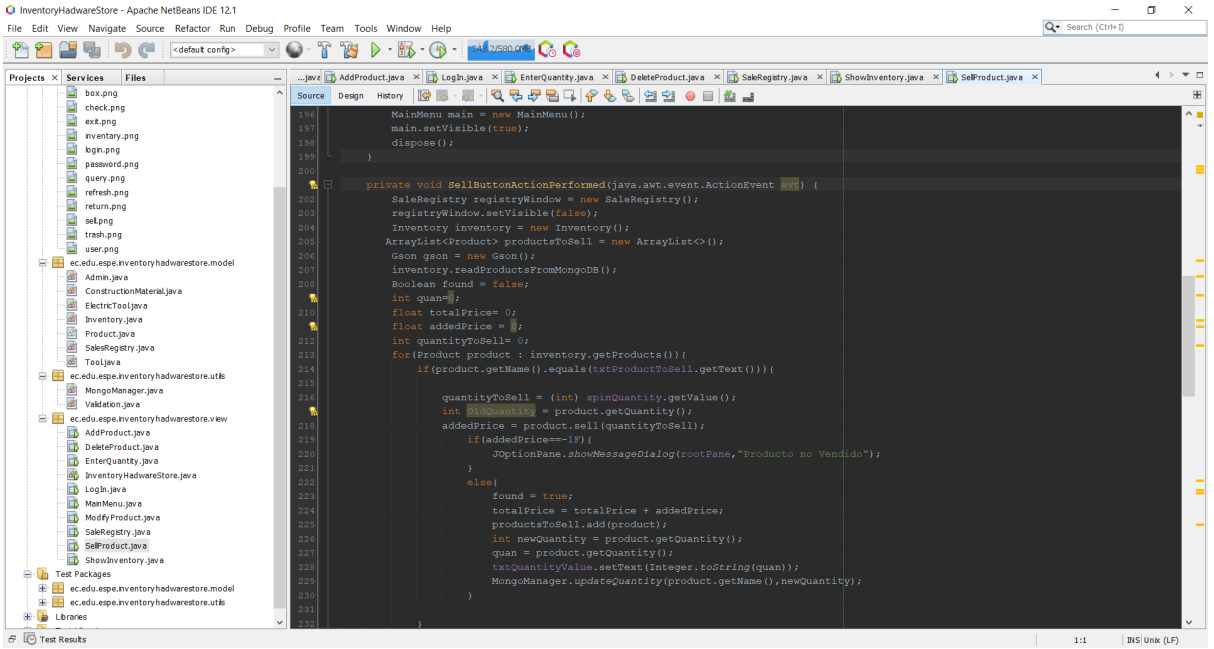


- The class ConstructionMaterial should not sell the products, the class should just create the information itself.

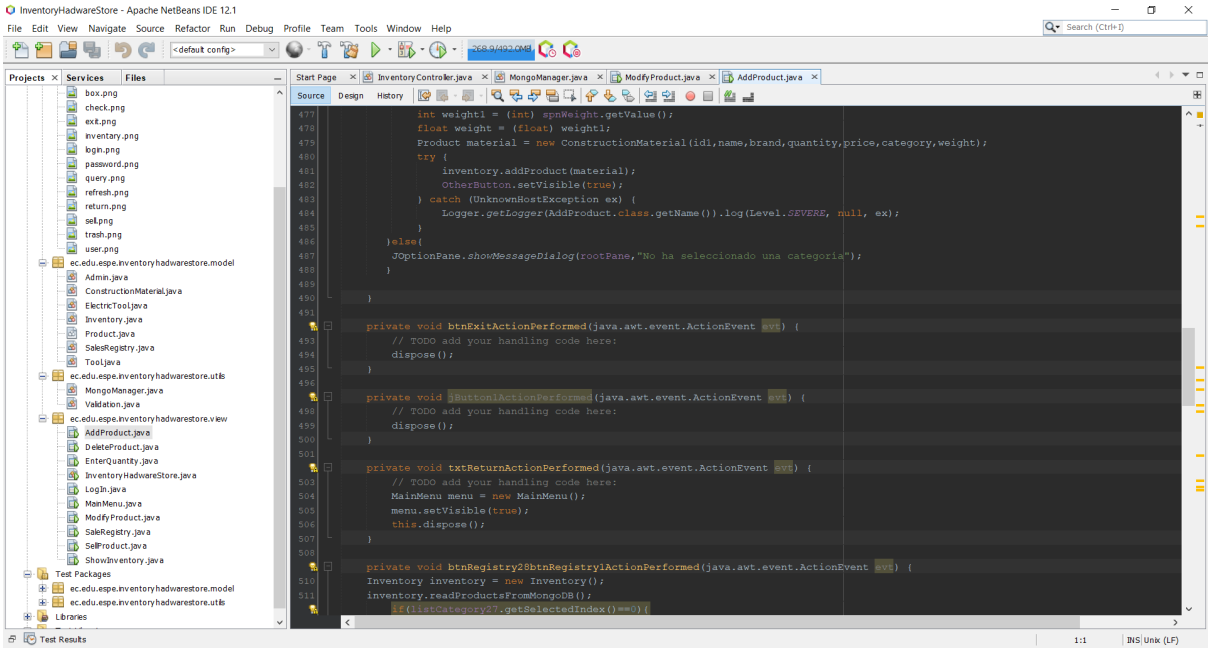


View Package

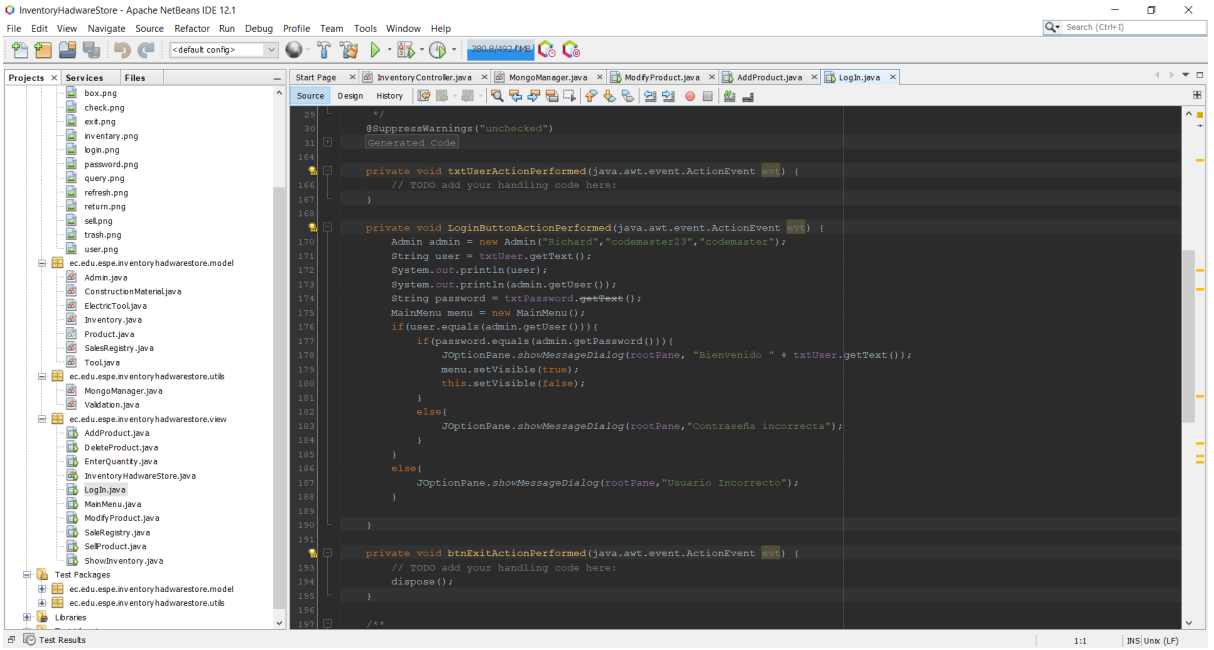
- The Gson object is found in some classes and do not use methods in each of its buttons



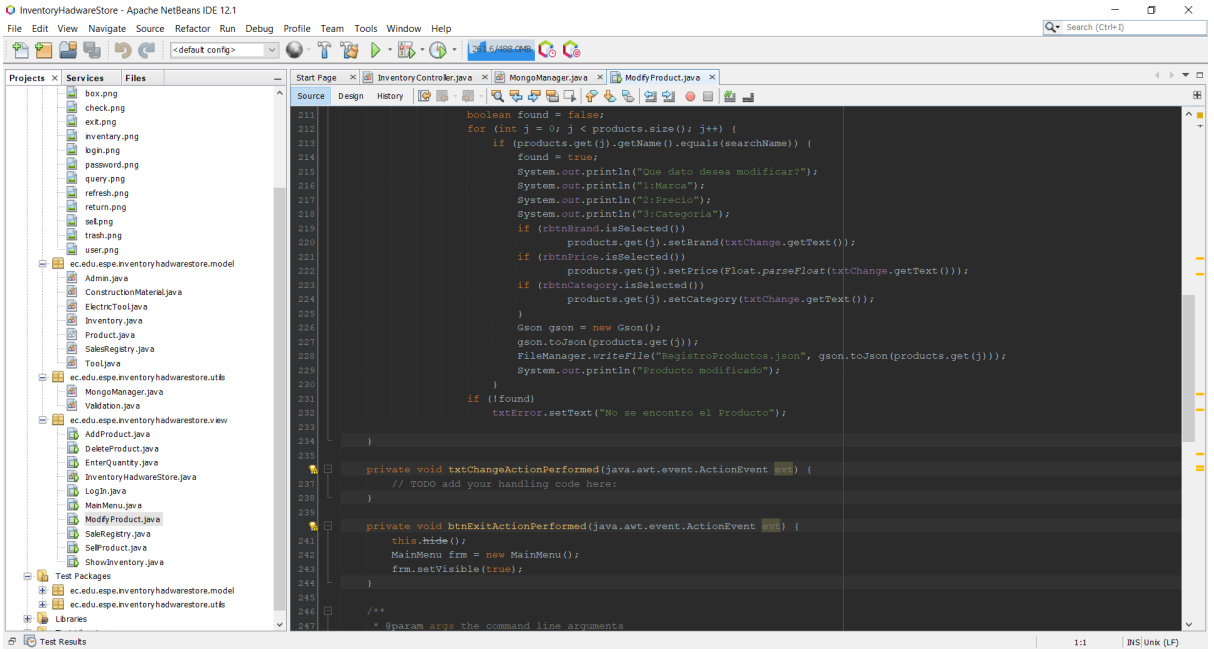
- AddProduct.In this class you have programmed in the buttons do not work with methods, in the design of the FRM you have a double screen that is not functional.



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

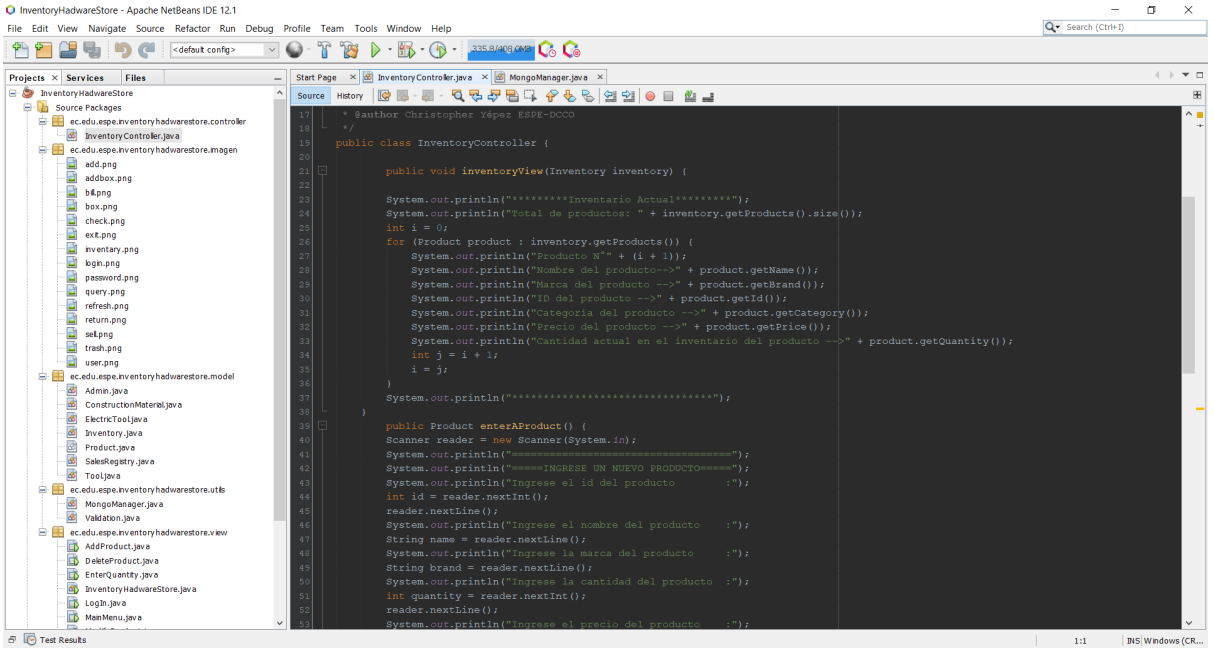


- ModifyProduct In this class you have programmed in the buttons do not work with methods



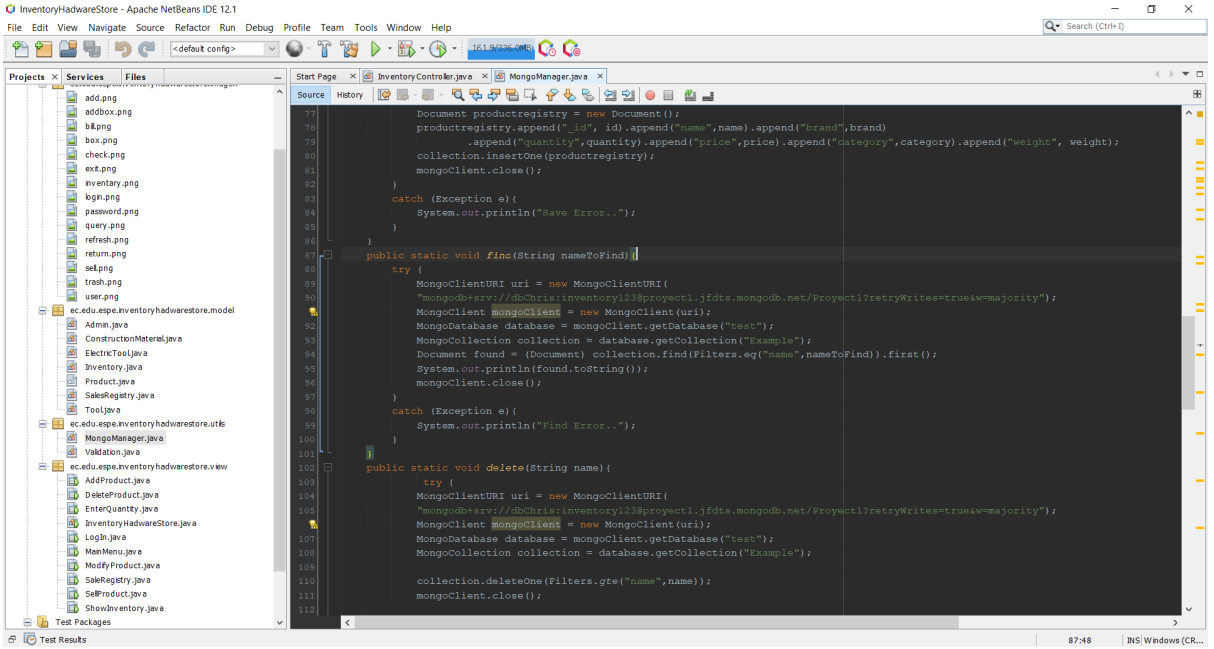
Controller Package

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



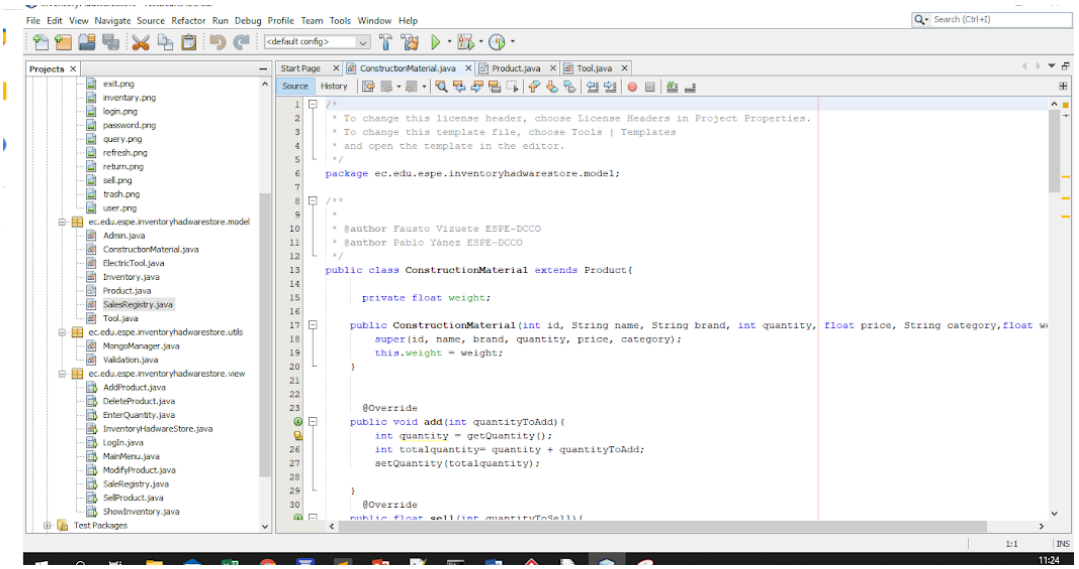
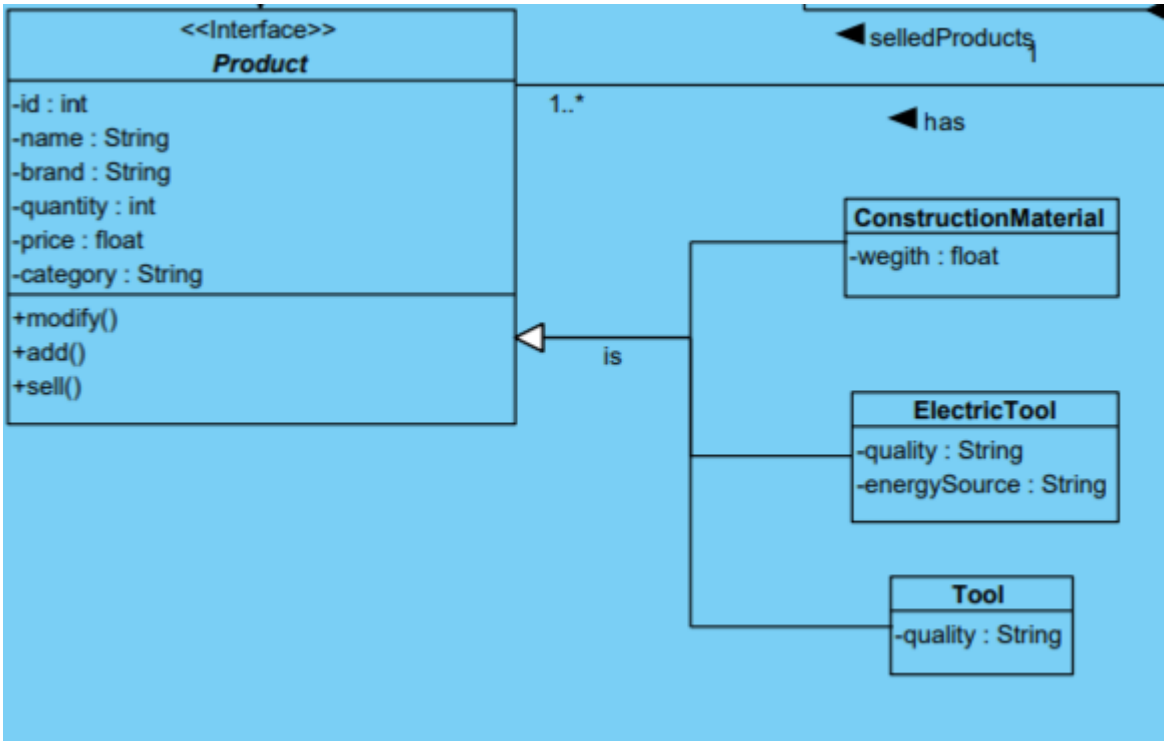
Utils Package

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



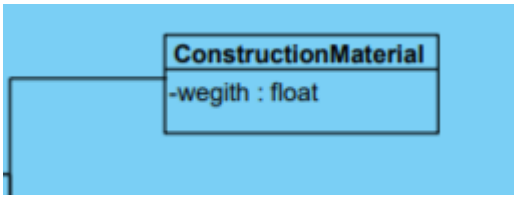
Open/Closed

Model Package

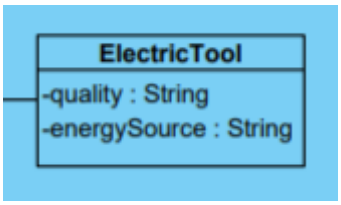
- 
```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package ec.edu.espe.inventoryhadwarestore.model;

/**
 *
 * @author Fausto Vizuete ESPE-DCCO
 * @author Pablo Yánez ESPE-DCCO
 */
public class ConstructionMaterial extends Product{

    private float weight;

    public ConstructionMaterial(int id, String name, String brand, int quantity, float price, String category,float w
        super(id, name, brand, quantity, price, category);
        this.weight = weight;
    }


    @Override
    public void add(int quantityToAdd){
        int quantity = getQuantity();
        int totalquantity= quantity + quantityToAdd;
        setQuantity(totalquantity);

    }
    @Override
```
- 

- 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.

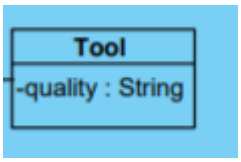
Principio de liskov de sustitución inversa.



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.