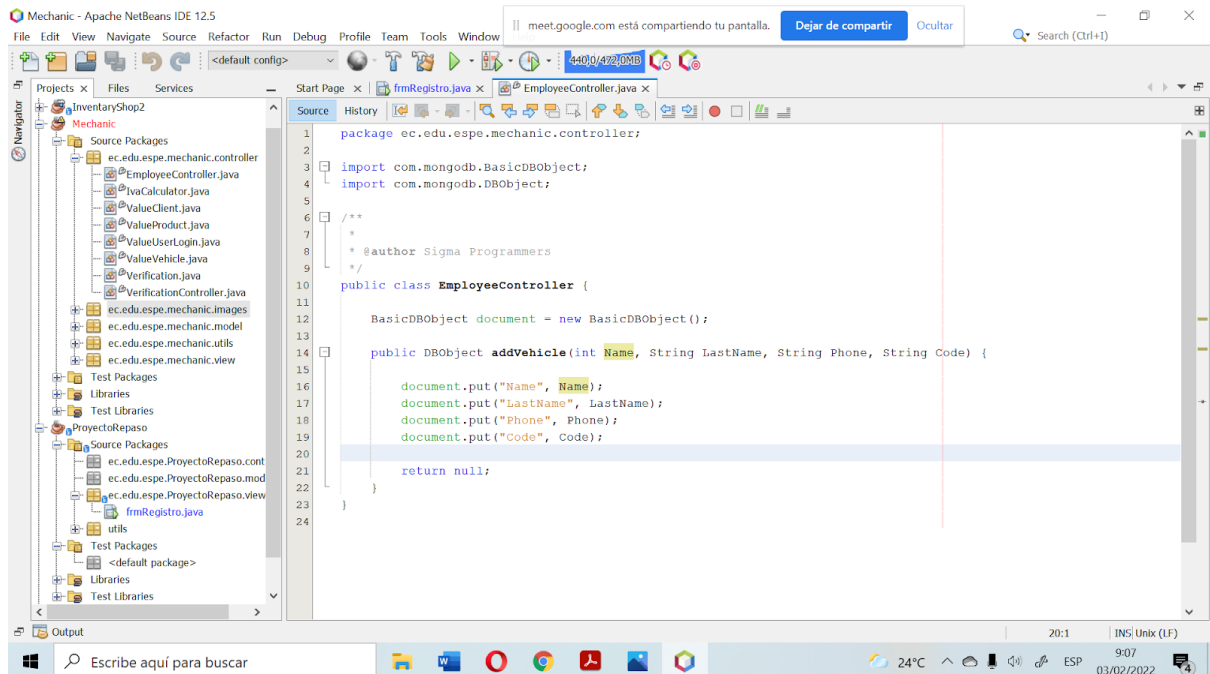


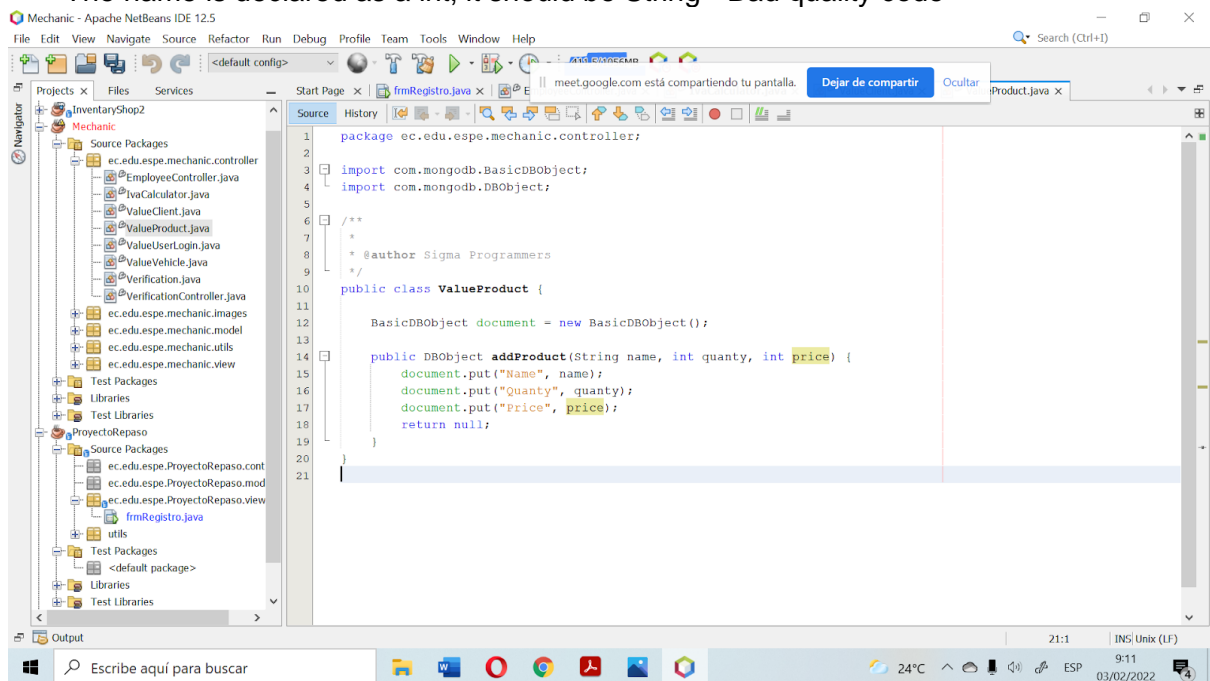
TEAM 5:
Alvarez Michelle
Correa Kerly
Eivar Jaime
Garcia Mayerly
Teca Camila
Teran Melanie

REVIEW THE MECHANIC CODE:

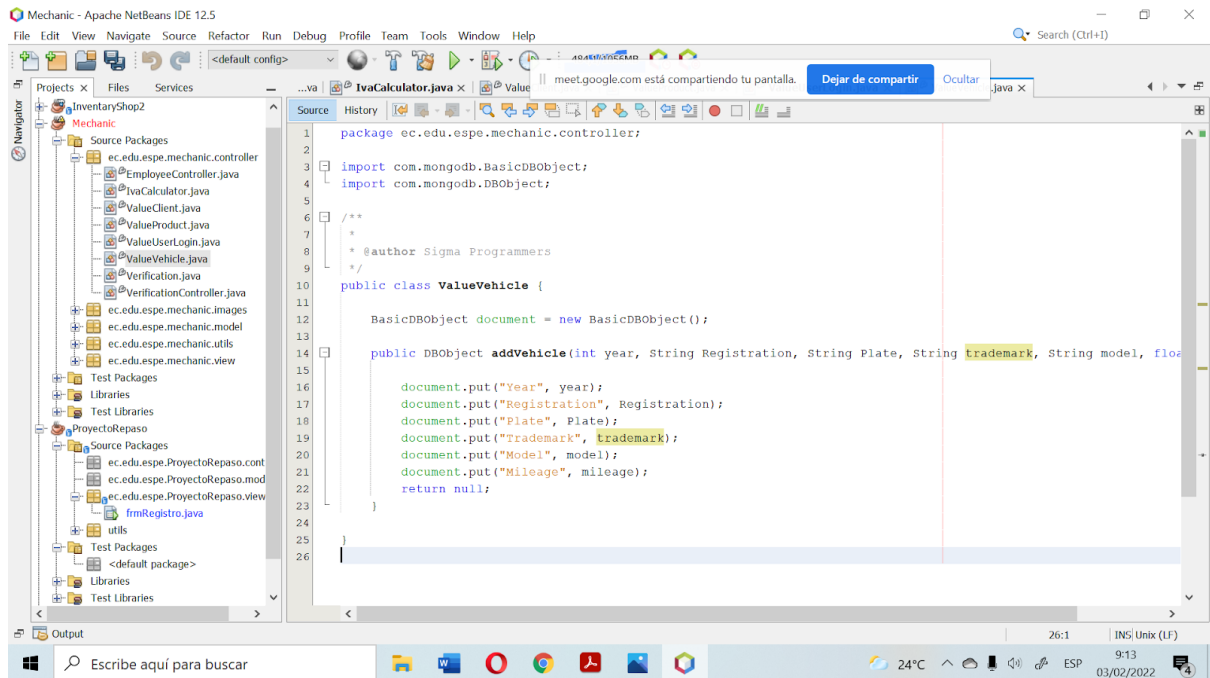


```
1 package ec.edu.espe.mechanic.controller;
2
3 import com.mongodb.BasicDBObject;
4 import com.mongodb.DBObject;
5
6 /**
7  *
8  * @author Sigma Programmers
9  */
10 public class EmployeeController {
11
12     BasicDBObject document = new BasicDBObject();
13
14     public DBObject addVehicle(int Name, String LastName, String Phone, String Code) {
15
16         document.put("Name", Name);
17         document.put("LastName", LastName);
18         document.put("Phone", Phone);
19         document.put("Code", Code);
20
21         return null;
22     }
23
24 }
```

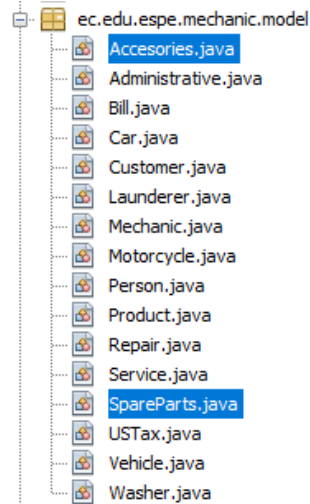
The name is declared as a int, it should be String - Bad quality code



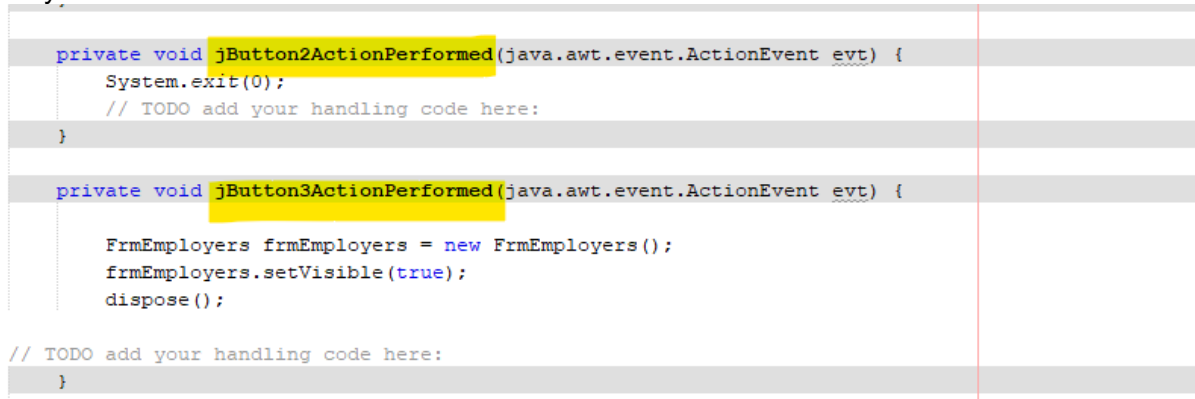
```
1 package ec.edu.espe.mechanic.controller;
2
3 import com.mongodb.BasicDBObject;
4 import com.mongodb.DBObject;
5
6 /**
7  *
8  * @author Sigma Programmers
9  */
10 public class ValueProduct {
11
12     BasicDBObject document = new BasicDBObject();
13
14     public DBObject addProduct(String name, int quantity, int price) {
15
16         document.put("Name", name);
17         document.put("Quantity", quantity);
18         document.put("Price", price);
19
20         return null;
21     }
22 }
```



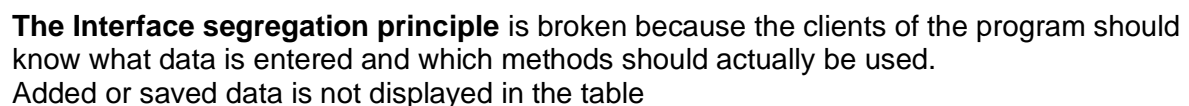
Incorrect class names. Classes are written in the singular:

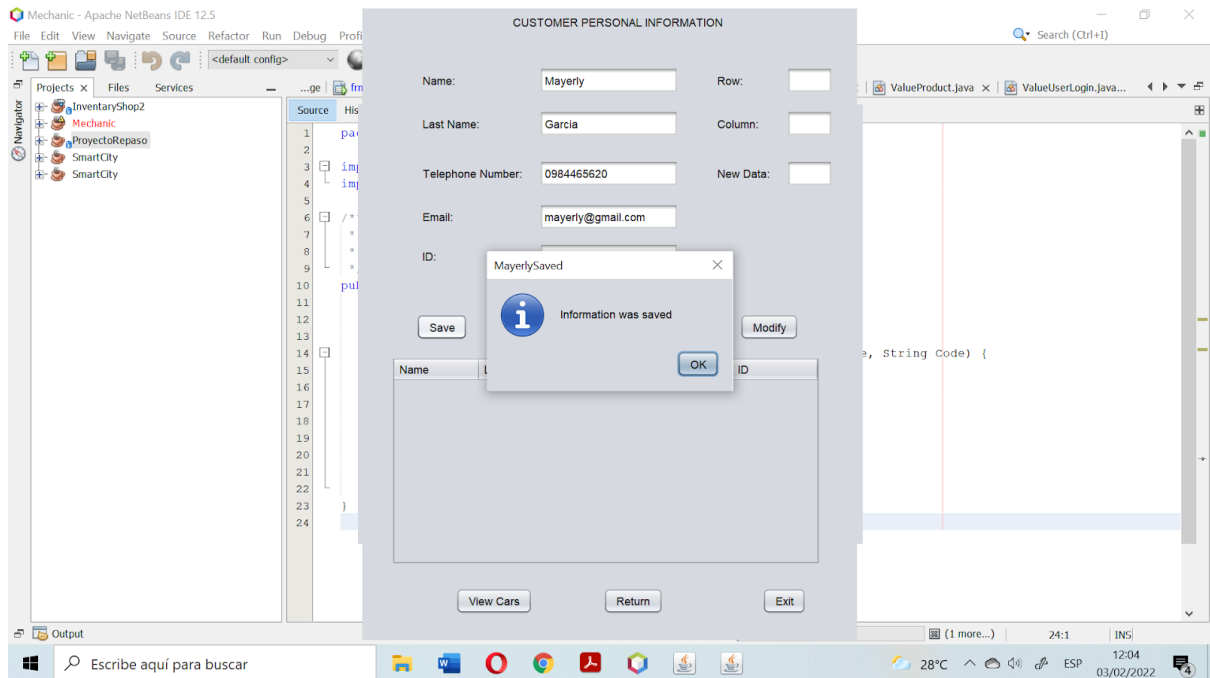


They are not names for the buttons:



In the utils package there should be one class to the database, but no more than two classes connecting to the same database. (**Single Responsibility**)





Single Responsibility Principle broken because has not relation with the data of the class:

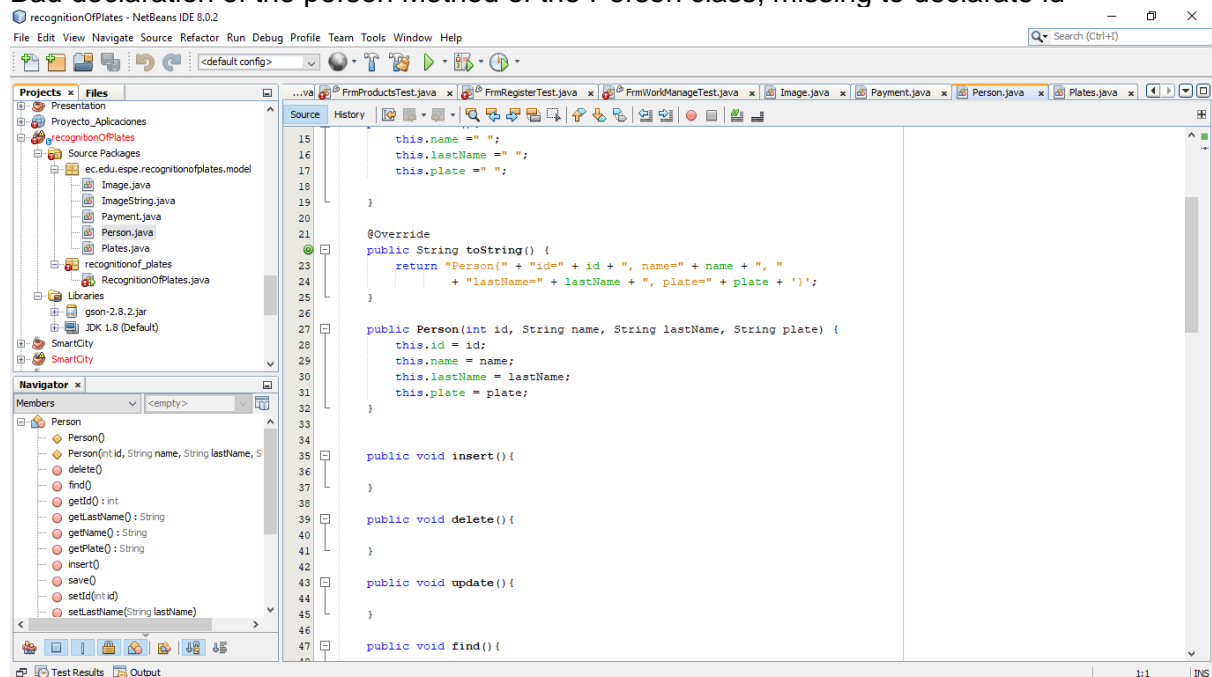
Single Responsibility Principle broken because the "add vehicle" object is not related to the "EmployeeController" class.

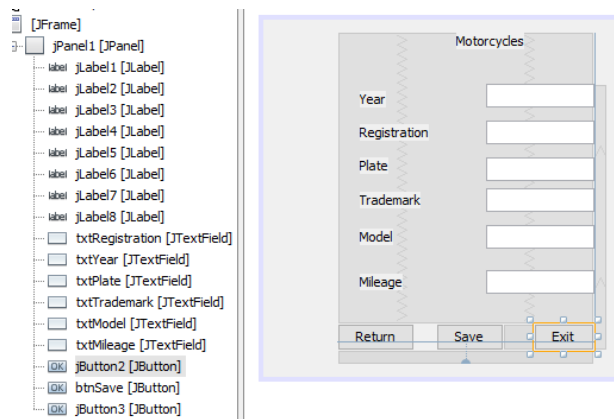
```

1 package ec.edu.espe.mechanic.controller;
2
3 import com.mongodb.BasicDBObject;
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10 public class EmployeeController {
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12     BasicDBObject document = new BasicDBObject();
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14     public DBObject addVehicle(int Name, String LastName, String Phone, String Code) {
15
16         document.put("Name", Name);
17         document.put("LastName", LastName);
18         document.put("Phone", Phone);
19         document.put("Code", Code);
20
21         return null;
22     }
23 }

```

Bad declaration of the person Method of the Person class, missing to declare id





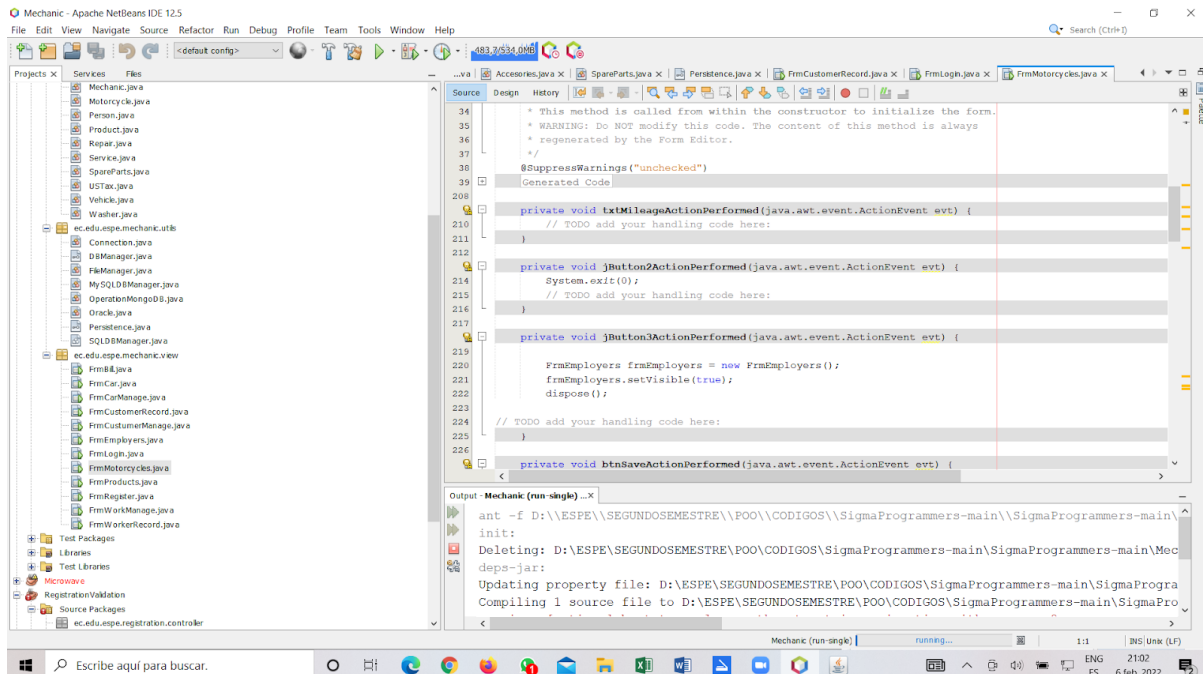
Bad names for Return and Exit buttons (FrmMotorcycles)

```
public class FrmWorkerRecord extends javax.swing.JFrame {
```

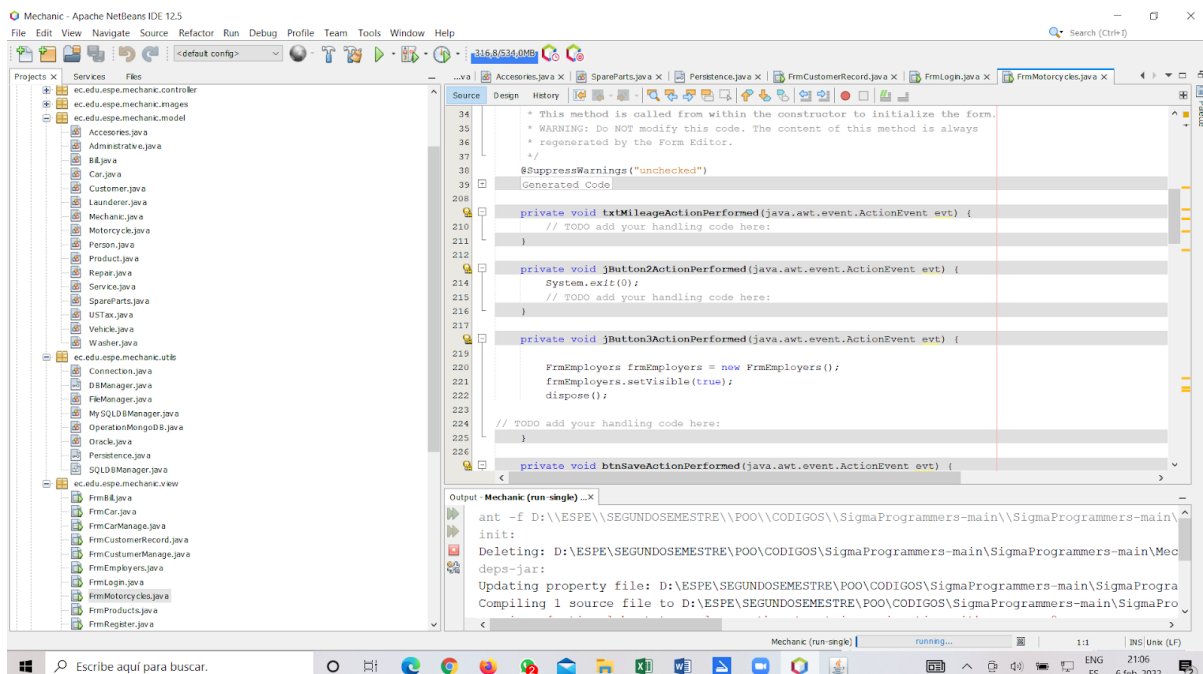
```
    DefaultTableModel modelo;
```

Table name in spanish (FrmWorkerRecord)

The FrmBill does not follow the **Liskov Substitution Principle** because it does not represent a window or public methods into the program. There are two fields called "Other" and in one of them it is not clear which is the information that you have to right. The field discount and TOTAL are not clear. They must be calculated into the program.



In the `FrmMotorcycle` there are some buttons without names so it is difficult to understand how the program works. **Unclean code.**



Each class should be responsible for only one part of the system's functionality. We can see there are many classes that allow the connection to the database, so it is not clear which class does a specific job. So in this part of the program does not follow the **Single Responsibility Principle**.