

WS32 - SOFTWARE PRINCIPLES GROUPS

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- Attributes in different sizes are written with camelcases

```
public class Person {  
  
    private String name;  
    private String lastname;  
    private String telephoneNumber;  
    private String Email;  
    private String ID;  
  
    public Person(String name, String lastname, String telephoneNumber, String Email, String ID) {  
        this.name = name;  
        this.lastname = lastname;  
        this.telephoneNumber = telephoneNumber;  
        this.Email = Email;  
        this.ID = ID;  
    }  
  
    private Customer client;  
    private int numberOfBill = 1;  
    private float priceOfWorkforce;  
    private float discount;
```

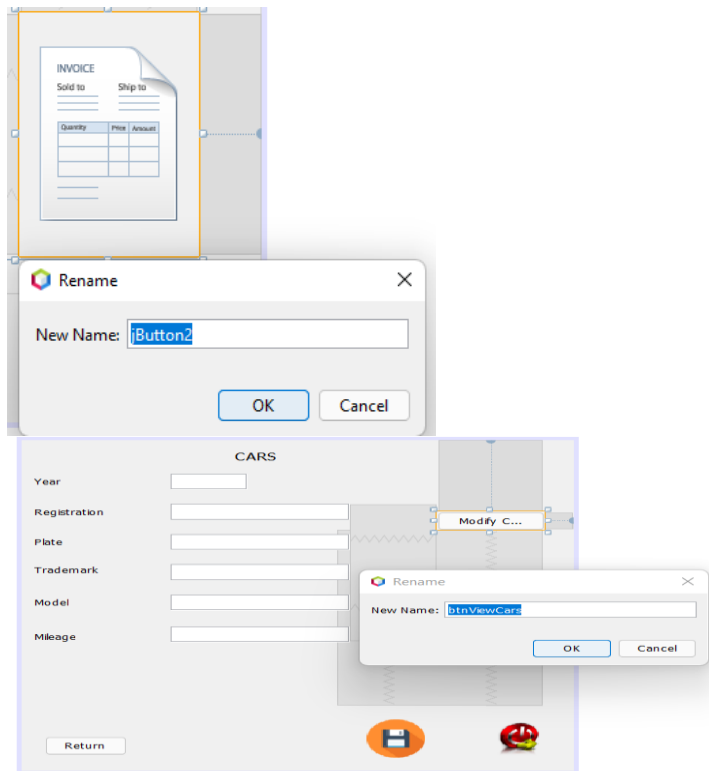
- Unnecessary comments

```
/**  
 * @return the Email  
 */  
public String getEmail() {  
    return Email;  
}  
  
/**  
 * @param Email the Email to set  
 */  
public void setEmail(String Email) {  
    this.Email = Email;  
}  
  
/**  
 * @return the ID  
 */  
public String getID() {  
    return ID;  
}  
  
/**  
 * @param ID the ID to set  
 */  
public void setID(String ID) {  
    this.ID = ID;  
}  
61     String name ;  
62     int quanty;  
63     >>>>>> e4b3f82c2e54cd426697e6d1e44a137df95afedb  
64     */  
65 }  
66
```

- Comments not deleted

```
/*  
 * 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.mechanic.utils;  
  
import com.mongodb.BasicDBObject;
```

- Don't change variable names



- Capital letters are not used

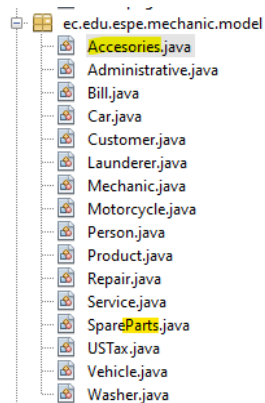
```
public class ValueProduct {

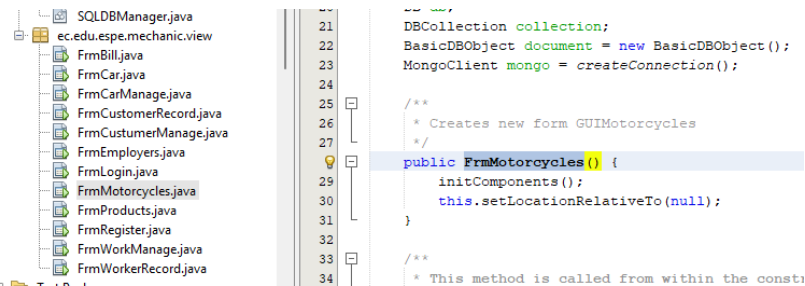
    BasicDBObject document = new BasicDBObject();

    public DBObject addProduct(String name, int quantity, int price) {
        document.put("Name", name);
        document.put("Quantity", quantity);
        document.put("Price", price);
        return null;
    }
}
```

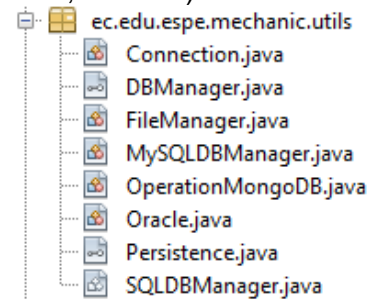
- Class names must be singular nouns

```
181 DB db = mongo.getDB(database);
182 DBCollection dbCollection = db.getCollection(collection);
183 BasicDBObject searchedName = new BasicDBObject();
184 BasicDBObject updateData = new BasicDBObject();
    try {
```





-Single responsibility (The connection to the database must be made by a single class, not two.)



-Open / Closed Principle

Change the name of the array related to the project and the records it manages

```

private void btnDeleteActionPerformed(java.awt.event.ActionEvent evt) {
    JSONArray jrr = new JSONArray();
    Object ob = null;
    JSONParser Jp = new JSONParser();
    //fetch file--

```

- The graphical view interface has 3 additional buttons that do not explain the operation (methods declared without using).

CUSTOMER PERSONAL INFORMATION

Name: Row:

Last Name: Column:

Telephone Number: New Data:

Email:

ID:

Save Delete Delete All Modify

Name	Last Name	Telephone N...	Email	ID
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View Cars Return Exit