"UNIVERSIDAD DE LAS FUERZAS ARMADAS"

ESPE

SOFTWARE ENGINEERING

OBJECT - ORIENTED PROGRAMMING

TOPIC:

Homework 24 - Solid Principles

TEACHER:

PHD. EDISON LASCANO

NRC:

4680

SEDE MATRIZ SANGOLQUÍ

QUITO-ECUADOR

2022

TEAM 03: Syntax Error

1. Granda Velasquez Carlos Javier
2. Ibarra Gaona Ronny Joel
3. Imbaquinga Guaña Jose Ricardo

Single Responsibility

```java
/**
 *
 * @author Carlos Granda,Jose Imbaquinga, Roony Ibarra, DCCO-ESPE, Syntax Error
 */
public class ConexionDB {
    public static MongoDatabase database = null;

    public MongoDatabase conectionDb(){


        ConnectionString connectionString = new ConnectionString("mongodb://JoseRicardoImbaquingaGuana:4W6rd8dhOUHeib5j@ac-sojrx8x-shard-0
        MongoClientSettings settings = MongoClientSettings.builder()
        .applyConnectionString(connectionString)
        .build();
        MongoClient mongoClient = MongoClients.create(settings);
        MongoDatabase database = mongoClient.getDatabase("FruitDB");


        return database;
    }

}
```

Open/close:

```java
package ec.edu.espe.FruitApp.model;

/**
 *
 * @author Carlos Granda,Jose Imbaquinga, Roony Ibarra, DCCO-ESPE, Syntax Error
 */
public abstract class Client {
    private String name;
    private int id;
    private int age;

    public Client() {
    }

    public Client(String name, int id, int age) {
        this.name = name;
        this.id = id;
        this.age = age;
    }

    @Override
    public String toString() {
        return "Client{" + "name=" + name + ", id=" + id + ", age=" + age + '}';
    }
```

```java
import com.mongodb.client.MongoCollection;
import ec.edu.espe.FruitApp.model.ConexionDB;
import javax.swing.table.DefaultTableModel;
import org.bson.Document;

/**
 *
 * @author Carlos Granda,Jose Imbaquinga, Roony Ibarra, DCCO-ESPE, Syntax Error
 */
public class ConexionMongoDBWorker {
    public void ConexionWorker(String name, String code,  int id){
        MongoCollection<Document> FruitCollection = new ConexionDB().conectionDb().
                getCollection("WorkerCollection");
      Document data= new Document();
       DefaultTableModel tabla = new DefaultTableModel(){
          @Override
          public boolean isCellEditable(int row, int column) {
              return super.isCellEditable(row, column);
          }
      };
        data.put("Name",name);
        data.put("Code:",code);
        data.put("Id:",id);
        FruitCollection.insertOne(data);
    }
```