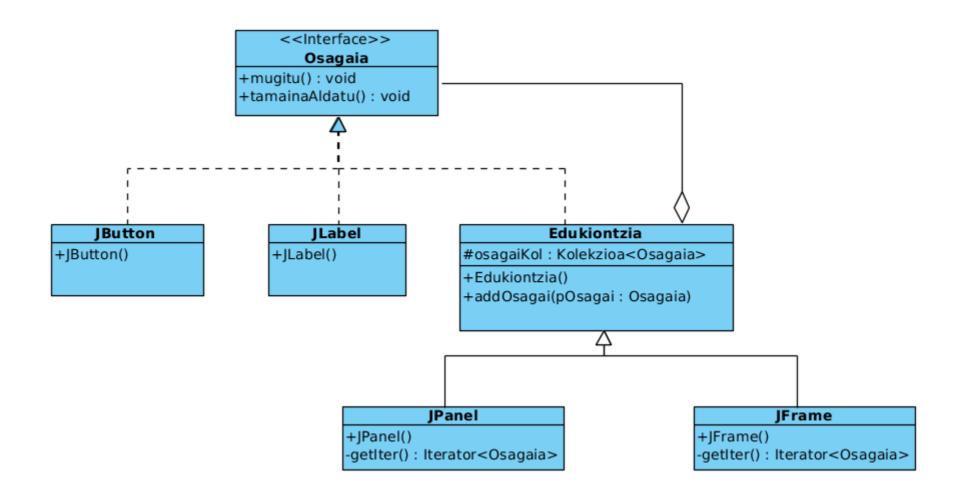
KLASE DIAGRAMA



KODEA

ELEMENTU KONPOSATUA

```
ELEMENTU SOILA
```

```
public void mugitu();
      public void tamainaAldatu();
import java.util.*;
public abstract class Edukiontzia implements Osagaia{
    protected List<Osagaia> osagaiKol;
    public void addOsagai(Osagaia pOsagai) {
        osagaiKol.add(p0sagai);
    }
import java.util.ArrayList;[]
public class JFrame extends Edukiontzia{
   public JFrame() {
       osagaiKol = new ArrayList<>();
   public void mugitu() {
       System.out.println("JFrame mugitzen!");
       Iterator<Osagaia> itJF = getIter();
       while(itJF.hasNext()) {
           Osagaia momentukoJF = itJF.next();
           momentukoJF.mugitu();
   public void tamainaAldatu() {
       System.out.println("JFrame tamaina aldatzen!");
       Iterator<Osagaia> itJF = getIter();
       while(itJF.hasNext()) {
           Osagaia momentukoJP = itJF.next();
           momentukoJP.tamainaAldatu():
   private Iterator getIter() {
        return osagaiKol.iterator();
```

public interface Osagaia {

```
public class JLabel implements Osagaia{
    public void mugitu() {System.out.println("JLabel mugitzen!");}
    public void tamainaAldatu() {System.out.println("JLabel tamaina aldatzen!");}
}
```

```
public class CompositeProba {
    public static void main(String[] args) {
        //HOSTOAK
        JLabel il1 = new JLabel();
        JLabel il2 = new JLabel();
        JButton jb1 = new JButton();
        JButton ib2 = new JButton();
        JButton ib3 = new JButton();
        //NODOAK
        JPanel ip1 = new JPanel():
        JPanel ip2 = new JPanel():
        JFrame jf = new JFrame();
        //HIERARKIA OSATU
        jpl.addOsagai(jll);
        jp1.addOsagai(jl2);
        jpl.addOsagai(jbl);
        ip2.addOsagai(jb2);
        ip2.addOsagai(jb3);
        jf.add0sagai(jp1);
        jf.addOsagai(jp2);
        //JFrame mugitu
        if.mugitu();
```

EXEKUZIOA

```
JFrame mugitzen!
JPanel mugitzen!
JLabel mugitzen!
JLabel mugitzen!
JButton mugitzen!
JPanel mugitzen!
JButton mugitzen!
JButton mugitzen!
JButton mugitzen!
```