

hw21SingletonGUI

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```
package ec.edu.espe.Singleton.model;

/**
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 */
public class USTax {

    private static USTax instance;

    private static float taxValue=0.0F;

    private USTax() {

    }

    public static synchronized USTax getInstance() {
        if (instance == null) {
            instance = new USTax();
        }
        return instance;
    }

    public static void modifyTax(float taxValue) {
        USTax.taxValue = taxValue;
    }

    /**
     * @return the taxValue
     */
    public static float getTaxValue() {
        return taxValue;
    }
}
```

```

        .addGroup( group, layout.createParallelGroup( alignment: javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent( component: jPanel2, min: javax.swing.GroupLayout.DEFAULT_SIZE, pref: javax.swing.GroupLayout.DEFAULT_SIZE, max: Short.MAX_VALUE)
            .addGroup( group, layout.createSequentialGroup()
                .addComponent( component: jPanel1, min: javax.swing.GroupLayout.PREFERRED_SIZE, pref: javax.swing.GroupLayout.DEFAULT_SIZE, max: Short.MAX_VALUE)
                .addGap( min: 0, pref: 0, max: Short.MAX_VALUE))
            .addContainerGap())
        );
        layout.setVerticalGroup(
            group, layout.createParallelGroup( alignment: javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup( group, layout.createSequentialGroup()
                .addComponent( component: jPanel1, min: javax.swing.GroupLayout.PREFERRED_SIZE, pref: javax.swing.GroupLayout.DEFAULT_SIZE, max: javax.swing.GroupLayout.DEFAULT_SIZE)
                .addPreferredGap( wgs: javax.swing.LayoutStyle.ComponentPlacement.RELATED, pref: javax.swing.GroupLayout.DEFAULT_SIZE, max: Short.MAX_VALUE)
                .addComponent( component: jPanel2, min: javax.swing.GroupLayout.PREFERRED_SIZE, pref: javax.swing.GroupLayout.DEFAULT_SIZE, max: javax.swing.GroupLayout.DEFAULT_SIZE)
            );
        pack();
    }
}

```

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

    /**
     * Creates new form FrmUSTax
     */
    public FrmCalculator() {
        initComponents();

        USTax principalTax = USTax.getInstance();
        principalTax.modifyTax( taxValue: 0.0485F ); //UTAHTax Default
    }
}
```

IVA	Country
0.0725	California
0.0485	Utah
0.06	Florida
0.06625	New Jersey
0.0875	New York
0.045	Oklahoma

File Edit

Modify TaxPercentage

USTax

Product price per unit

List of products

Calculator-Unit Price

Base price: 45

Price with IVA: 47.18

Back Calculate

Acceso al Sistema

Nombre de usuario:

Contraseña:

Back Ingresar Registrarse

Message

i Acceso concedido

OK

Tax percentage

States	Iva	
Califor...	7.25	%
Utah	4.85	%
Florida	6	%
New Je...	6.625	%
New York	8.75	%
Oklaho...	4.5	%

Tax: 7.25

List Calculator

NameOfProduct:

BaseValue:

Name	Base Price
Aguacate	47.85
Manzana	5
Brocoli	10

Total: 62.85

Back

Add Product

Calculate Total

