



**Universidad
Israel**

UNIVERSIDAD ISRAEL



TEMA: TAREA SEMANA 7

NOMBRE: VALVERDE PEDRO

CURSO: QUINTO SEMESTRE

FECHA: 02/02/2023

MODALIDAD: VIRTUAL

CARRERA: INGENIERÍA EN INFORMÁTICA

MATERIA: PROGRAMACION 2

AÑO LECTIVO

2024 – A

Diseñamos la interfaz grafica que se va a manejar en dependiendo de los valores que manejamos en la base de datos.

Se programa el botón de insertar para que ingrese datos conjuntos con la conexión a la base de datos.

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String name = jTextField1.getText();
    String studentId = jTextField2.getText();
    String course = jTextField3.getText();
    try {
        Class.forName(className: "com.mysql.jdbc.Driver");
        conl = DriverManager.getConnection(url: "jdbc:mysql://localhost:3306/lit", user: "root", password: "");
        insert = conl.prepareStatement(string: "insert into record(name,studentid,course)values(?,?,?)");
        insert.setString(i: 1, string: name);
        insert.setString(i: 2, string: studentId);
        insert.setString(i: 3, string: course);
        insert.executeUpdate();
        JOptionPane.showMessageDialog(parentComponent: this, message: "Record Saved");
        jTextField1.setText(v: "");
        jTextField2.setText(v: "");
        jTextField3.setText(v: "");
        jTextField1.requestFocus();
        table_update();
    } catch (ClassNotFoundException ex) {
        Logger.getLogger(name: RegistroBDD.class.getName()).log(level: Level.SEVERE, msg: null, thrown: ex);
    } catch (SQLException ex) {
```

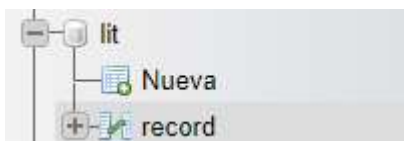
El botón para eliminar en este caso utilizaremos un delete.

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    DefaultTableModel model = (DefaultTableModel) jTable1.getModel();
    int selectedIndex = jTable1.getSelectedRow();
    try {
        int id = Integer.parseInt(model.getValueAt(selectedIndex, column: 0).toString());
        int dialogResult = JOptionPane.showConfirmDialog(parentComponent: null, message: "Desa eliminar el registro??", title:
        if (dialogResult == JOptionPane.YES_OPTION) {
            Class.forName(classname: "com.mysql.jdbc.Driver");
            con1 = DriverManager.getConnection(url: "jdbc:mysql://localhost:3306/lit", user: "root", password: "");
            insert = con1.prepareStatement(sql: "delete from record where id = ?");
            insert.setInt(index: 1, id: id);
            insert.executeUpdate();
            JOptionPane.showMessageDialog(parentComponent: this, message: "Record Delete");
            jTextField1.setText(s: "");
            jTextField2.setText(s: "");
            jTextField3.setText(s: "");
            table_update();
        }
    } catch (ClassNotFoundException ex) {
    } catch (SQLException ex) {
    }
}
```

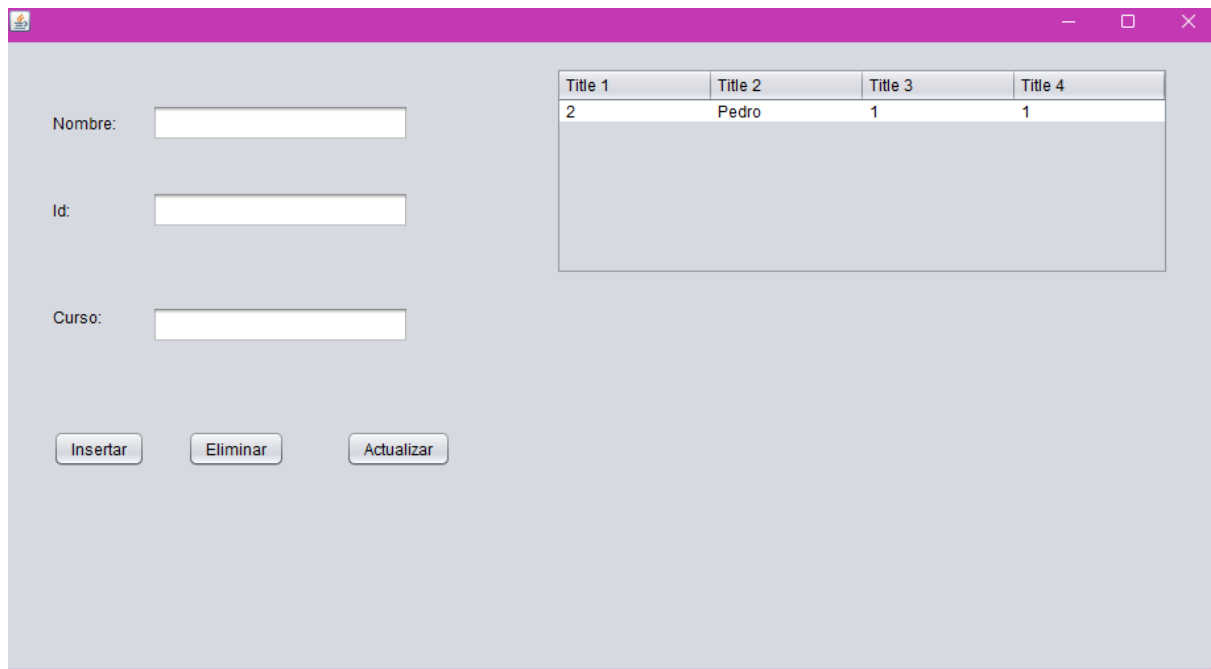
Programamos el botón actualizar en base de datos.

```
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    DefaultTableModel model = (DefaultTableModel) jTable1.getModel();
    int selectedIndex = jTable1.getSelectedRow();
    try {
        int id = Integer.parseInt(model.getValueAt(selectedIndex, column: 0).toString());
        String name = jTextField1.getText();
        String studentId = jTextField2.getText();
        String course = jTextField3.getText();
        Class.forName(classname: "com.mysql.jdbc.Driver");
        con1 = DriverManager.getConnection(url: "jdbc:mysql://localhost:3306/lit", user: "root", password: "");
        insert = con1.prepareStatement(sql: "update record set name= ?, studentid= ?, course= ? where id= ?");
        insert.setString(index: 1, string: name);
        insert.setString(index: 2, string: studentId);
        insert.setString(index: 3, string: course);
        insert.setInt(index: 4, id: id);
        insert.executeUpdate();
        JOptionPane.showMessageDialog(parentComponent: this, message: "Record Updated");
        jTextField1.setText(s: "");
    }
}
```

Creamos una base de datos llamada lit.



Con resultado obtenemos los datos ingresados en este caso Pedro con el id y el curso.



The screenshot shows a web application window with a light gray background. On the left side, there are three input fields labeled "Nombre:", "Id:", and "Curso:". Below these fields are three buttons: "Insertar", "Eliminar", and "Actualizar". On the right side, there is a table with four columns: "Title 1", "Title 2", "Title 3", and "Title 4". The table contains one row of data: "2", "Pedro", "1", and "1".

Title 1	Title 2	Title 3	Title 4
2	Pedro	1	1

Nota: Se adjunta el link de github <https://github.com/Eduardo199614/BDDP2.git>

