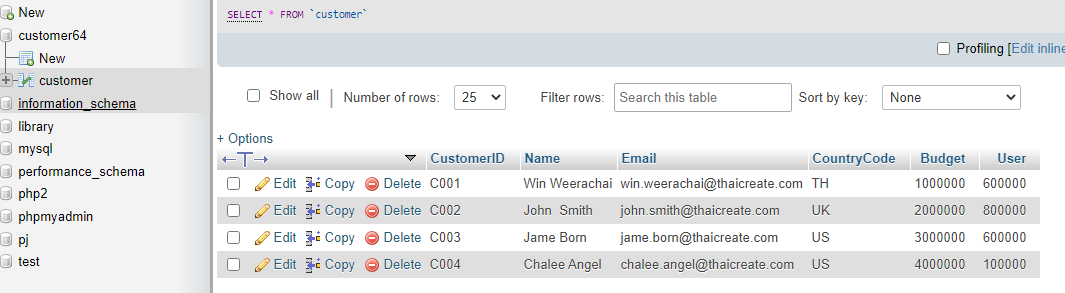
การเขียน JAVA แบบ GUI อ่านฐานข้อมูล Mysql ด้วย Netbeans

1.ขั้นตอนที่ 1 ไปสร้างฐาน ข้อมูล ตัวอย่าง CUSTOMER64



2.เปิด new project แบบ ADD Libraries

2.1 Download มาใส่ใน Libraries 

3. สร้าง myclass เพื่อเชื่อมฐานข้อมูล ทดสอบผล RUN

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

public class MyClass {

public static void main(String[] args) {

Connection connect = null;

try {

Class.forName("com.mysql.jdbc.Driver");

connect = DriverManager.getConnection("jdbc:mysql://localhost/customer64"+

"?user=root&password=");

if(connect != null){

System.out.println("Database Connected.");

} else {

System.out.println("Database Connect Failed.");

}

} catch (Exception e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

// Close

try {

if(connect != null){

connect.close();

}

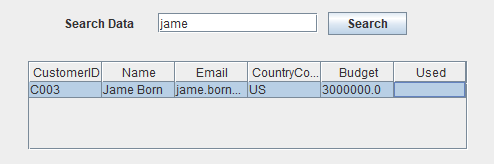
} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

4. ทำการสร้างฟอร์ม เพิ่ม แก้ไข ค้นหา ลบ

ทำฟอร์ม ค้น 

ort java.awt.EventQueue;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import javax.swing.JOptionPane;

import javax.swing.JFrame;

import javax.swing.JTable;

import javax.swing.JScrollPane;

import javax.swing.table.DefaultTableModel;

import javax.swing.JLabel;

import javax.swing.JTextField;

import javax.swing.JButton;

import java.awt.event.ActionListener;

import java.awt.event.ActionEvent;

public class MyFormsearch extends javax.swing.JFrame {

private JTextField txtKeyword;

private JTable table;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

MyFormsearch frame = new MyFormsearch();

frame.setVisible(true);

}

});

}

/\*\*

\* Create the frame.

\*/

public MyFormsearch() {

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

setBounds(100, 100, 580, 242);

setTitle("ThaiCreate.Com Java GUI Tutorial");

getContentPane().setLayout(null);

// ScrollPane

JScrollPane scrollPane = new JScrollPane();

scrollPane.setBounds(65, 72, 440, 89);

getContentPane().add(scrollPane);

// Table

table = new JTable();

scrollPane.setViewportView(table);

// Label Search

JLabel lblSearch = new JLabel("Search Data");

lblSearch.setBounds(101, 27, 84, 14);

getContentPane().add(lblSearch);

// Keyword

txtKeyword = new JTextField();

txtKeyword.setBounds(195, 24, 160, 20);

getContentPane().add(txtKeyword);

txtKeyword.setColumns(10);

// Button Search

JButton btnSearch = new JButton("Search");

btnSearch.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent arg0) {

// Bind new Data.

PopulateData();

}

});

btnSearch.setBounds(365, 23, 79, 23);

getContentPane().add(btnSearch);

// Bind and PopulateData

PopulateData();

}

private void PopulateData() {

// Clear table

table.setModel(new DefaultTableModel());

// Model for Table

DefaultTableModel model = (DefaultTableModel)table.getModel();

model.addColumn("CustomerID");

model.addColumn("Name");

model.addColumn("Email");

model.addColumn("CountryCode");

model.addColumn("Budget");

model.addColumn("Used");

Connection connect = null;

Statement s = null;

try {

Class.forName("com.mysql.jdbc.Driver");

connect = DriverManager.getConnection("jdbc:mysql://localhost/customer64" +

"?user=root&password=");

s = connect.createStatement();

String sql = "SELECT \* FROM customer " +

"WHERE Name like '%" + txtKeyword.getText() + "%' " +

"ORDER BY CustomerID ASC";

ResultSet rec = s.executeQuery(sql);

int row = 0;

while((rec!=null) && (rec.next())) {

model.addRow(new Object[0]);

model.setValueAt(rec.getString("CustomerID"), row, 0);

model.setValueAt(rec.getString("Name"), row, 1);

model.setValueAt(rec.getString("Email"), row, 2);

model.setValueAt(rec.getString("CountryCode"), row, 3);

model.setValueAt(rec.getFloat("Budget"), row, 4);

model.setValueAt(rec.getFloat("Used"), row, 5);

row++;

}

rec.close();

} catch (Exception e) {

// TODO Auto-generated catch block

JOptionPane.showMessageDialog(null, e.getMessage());

e.printStackTrace();

}

try {

if(s != null) {

s.close();

connect.close();

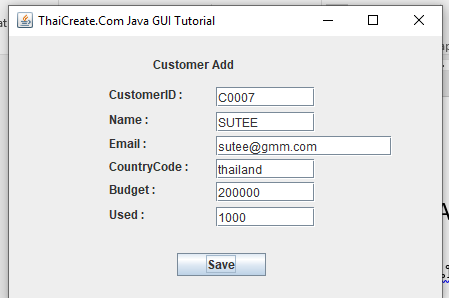
}

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}



import java.awt.EventQueue;

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import java.sql.DriverManager;

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import java.sql.SQLException;

import java.sql.Statement;

import javax.swing.JOptionPane;

import javax.swing.JFrame;

import javax.swing.JTable;

import javax.swing.JScrollPane;

import javax.swing.table.DefaultTableModel;

import javax.swing.JLabel;

import javax.swing.JTextField;

import javax.swing.JButton;

import java.awt.event.ActionListener;

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DefaultTableModel model = (DefaultTableModel)table.getModel();

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model.addColumn("Name");

model.addColumn("Email");

model.addColumn("CountryCode");

model.addColumn("Budget");

model.addColumn("Used");

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Statement s = null;

try {

Class.forName("com.mysql.jdbc.Driver");

connect = DriverManager.getConnection("jdbc:mysql://localhost/customer64" +

"?user=root&password=");

s = connect.createStatement();

String sql = "SELECT \* FROM customer " +

"WHERE Name like '%" + txtKeyword.getText() + "%' " +

"ORDER BY CustomerID ASC";

ResultSet rec = s.executeQuery(sql);

int row = 0;

while((rec!=null) && (rec.next())) {

model.addRow(new Object[0]);

model.setValueAt(rec.getString("CustomerID"), row, 0);

model.setValueAt(rec.getString("Name"), row, 1);

model.setValueAt(rec.getString("Email"), row, 2);

model.setValueAt(rec.getString("CountryCode"), row, 3);

model.setValueAt(rec.getFloat("Budget"), row, 4);

model.setValueAt(rec.getFloat("Used"), row, 5);

row++;

}

rec.close();

} catch (Exception e) {

// TODO Auto-generated catch block

JOptionPane.showMessageDialog(null, e.getMessage());

e.printStackTrace();

}

try {

if(s != null) {

s.close();

connect.close();

}

} catch (SQLException e) {

// TODO Auto-generated catch block

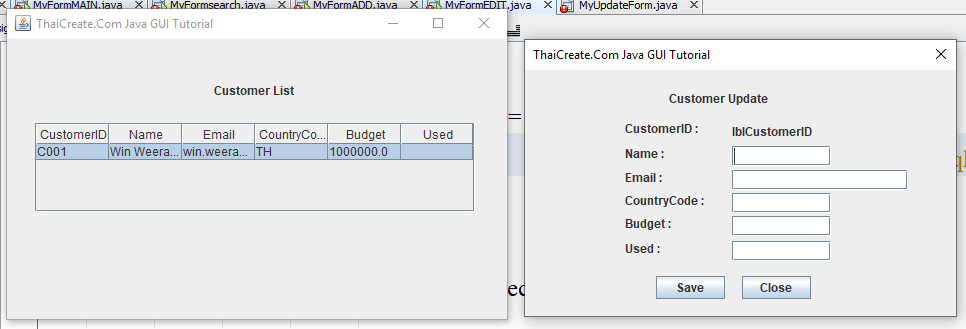
e.printStackTrace();

}

}

}

ฟอร์ม แก้ ไข ปรับปรุง



Code edit

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

import javax.swing.JTable;

import javax.swing.JScrollPane;

import javax.swing.table.DefaultTableModel;

import javax.swing.JLabel;

public class MyFormEDIT extends JFrame {

static JTable table;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

MyFormEDIT frame = new MyFormEDIT();

frame.setVisible(true);

}

});

}

/\*\*

\* Create the frame.

\*/

public MyFormEDIT() {

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

setBounds(100, 100, 516, 319);

setTitle("ThaiCreate.Com Java GUI Tutorial");

getContentPane().setLayout(null);

// Customer List

JLabel lblCustomerList = new JLabel("Customer List");

lblCustomerList.setBounds(207, 44, 87, 14);

getContentPane().add(lblCustomerList);

// ScrollPane

JScrollPane scrollPane = new JScrollPane();

scrollPane.setBounds(28, 84, 440, 89);

getContentPane().add(scrollPane);

// Table

table = new JTable();

table.addMouseListener(new MouseAdapter() {

@Override

public void mouseClicked(MouseEvent arg0) {

int index = table.getSelectedRow();

String CustomerID = table.getValueAt(index, 0).toString();

/\*

\* String Name = table.getValueAt(index, 1).toString(); String

\* Email = table.getValueAt(index, 2).toString(); String

\* CountryCode = table.getValueAt(index, 3).toString(); String

\* Budget = table.getValueAt(index, 4).toString(); String Used =

\* table.getValueAt(index, 5).toString();

\*/

MyUpdateForm update = new MyUpdateForm(CustomerID);

update.setModal(true);

update.setVisible(true);

PopulateData(); // Reload Table

}

});

scrollPane.setViewportView(table);

PopulateData();

}

private static void PopulateData() {

// Clear table

table.setModel(new DefaultTableModel());

// Model for Table

DefaultTableModel model = (DefaultTableModel) table.getModel();

model.addColumn("CustomerID");

model.addColumn("Name");

model.addColumn("Email");

model.addColumn("CountryCode");

model.addColumn("Budget");

model.addColumn("Used");

Connection connect = null;

Statement s = null;

try {

Class.forName("com.mysql.jdbc.Driver");

connect = DriverManager

.getConnection("jdbc:mysql://localhost/customer64"

+ "?user=root&password=");

s = connect.createStatement();

String sql = "SELECT \* FROM customer ORDER BY CustomerID ASC";

ResultSet rec = s.executeQuery(sql);

int row = 0;

while ((rec != null) && (rec.next())) {

model.addRow(new Object[0]);

model.setValueAt(rec.getString("CustomerID"), row, 0);

model.setValueAt(rec.getString("Name"), row, 1);

model.setValueAt(rec.getString("Email"), row, 2);

model.setValueAt(rec.getString("CountryCode"), row, 3);

model.setValueAt(rec.getFloat("Budget"), row, 4);

model.setValueAt(rec.getFloat("Used"), row, 5);

row++;

}

} catch (Exception e) {

// TODO Auto-generated catch block

JOptionPane.showMessageDialog(null, e.getMessage());

e.printStackTrace();

}

try {

if (s != null) {

s.close();

connect.close();

}

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

}

ใช้คู่ กับไฟล์ Update

Code คำสั่ง

import javax.swing.JDialog;

import javax.swing.JLabel;

import javax.swing.JButton;

import javax.swing.JOptionPane;

import javax.swing.JTextField;

import java.awt.event.ActionListener;

import java.awt.event.ActionEvent;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

public class MyUpdateForm extends JDialog {

/\*\*

\* Create the dialog.

\*/

public MyUpdateForm(String sCustomerID) {

setTitle("ThaiCreate.Com Java GUI Tutorial");

setDefaultCloseOperation(JDialog.DISPOSE\_ON\_CLOSE);

setBounds(100, 100, 447, 285);

getContentPane().setLayout(null);

setResizable(false);

// Header Customer Update

JLabel hCustomerUpdate = new JLabel("Customer Update");

hCustomerUpdate.setBounds(144, 21, 132, 14);

getContentPane().add(hCustomerUpdate);

// \*\*\* Header \*\*\*//

JLabel hCustomerID = new JLabel("CustomerID :");

hCustomerID.setBounds(100, 51, 89, 14);

getContentPane().add(hCustomerID);

JLabel hName = new JLabel("Name :");

hName.setBounds(100, 76, 89, 14);

getContentPane().add(hName);

JLabel hEmail = new JLabel("Email :");

hEmail.setBounds(100, 100, 89, 14);

getContentPane().add(hEmail);

JLabel hCountryCode = new JLabel("CountryCode :");

hCountryCode.setBounds(100, 123, 89, 14);

getContentPane().add(hCountryCode);

JLabel hBudget = new JLabel("Budget :");

hBudget.setBounds(100, 146, 89, 14);

getContentPane().add(hBudget);

JLabel hUsed = new JLabel("Used :");

hUsed.setBounds(100, 171, 89, 14);

getContentPane().add(hUsed);

// \*\*\* Update Form \*\*\*//

// CustomerID

final JLabel lblCustomerID = new JLabel("lblCustomerID");

lblCustomerID.setBounds(207, 51, 99, 20);

getContentPane().add(lblCustomerID);

// Name

final JTextField txtName = new JTextField("");

txtName.setBounds(207, 76, 99, 20);

getContentPane().add(txtName);

// Email

final JTextField txtEmail = new JTextField("");

txtEmail.setBounds(207, 100, 176, 20);

getContentPane().add(txtEmail);

// CountryCode

final JTextField txtCountryCode = new JTextField("");

txtCountryCode.setBounds(207, 123, 99, 20);

getContentPane().add(txtCountryCode);

// Budget

final JTextField txtBudget = new JTextField("");

txtBudget.setBounds(207, 146, 99, 20);

getContentPane().add(txtBudget);

// Used

final JTextField txtUsed = new JTextField("");

txtUsed.setBounds(207, 171, 99, 20);

getContentPane().add(txtUsed);

// \*\*\* Bind Data \*\*\*//

Connection connect = null;

Statement s = null;

try {

Class.forName("com.mysql.jdbc.Driver");

connect = DriverManager

.getConnection("jdbc:mysql://localhost/mydatabase"

+ "?user=root&password=root");

s = connect.createStatement();

String sql = "SELECT \* FROM customer " + "WHERE CustomerID = '"

+ sCustomerID + "' ";

ResultSet rec = s.executeQuery(sql);

if (rec != null) {

rec.next();

lblCustomerID.setText(rec.getString("CustomerID"));

txtName.setText(rec.getString("Name"));

txtEmail.setText(rec.getString("Email"));

txtCountryCode.setText(rec.getString("CountryCode"));

txtBudget.setText(rec.getString("Budget"));

txtUsed.setText(rec.getString("Used"));

}

rec.close();

} catch (Exception e) {

// TODO Auto-generated catch block

JOptionPane.showMessageDialog(null, e.getMessage());

e.printStackTrace();

}

try {

if (s != null) {

s.close();

connect.close();

}

} catch (SQLException e) {

// TODO Auto-generated catch block

System.out.println(e.getMessage());

e.printStackTrace();

}

// Save Button

JButton btnSave = new JButton("Save");

btnSave.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent evt) {

SaveData(lblCustomerID.getText(), txtName.getText(),

txtEmail.getText(), txtCountryCode.getText(),

txtBudget.getText(), txtUsed.getText());

dispose();

}

});

btnSave.setBounds(131, 206, 69, 23);

getContentPane().add(btnSave);

// Button Close

JButton btnClose = new JButton("Close");

btnClose.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

dispose();

}

});

btnClose.setBounds(217, 206, 69, 23);

getContentPane().add(btnClose);

}

// Update

private void SaveData(String strCustomerID, String strName, String strEmail,

String strCountryCode, String strBudget, String strUsed) {

Connection connect = null;

Statement s = null;

try {

Class.forName("com.mysql.jdbc.Driver");

connect = DriverManager.getConnection("jdbc:mysql://localhost/mydatabase" +

"?user=root&password=root");

s = connect.createStatement();

String sql = "UPDATE customer " +

"SET Name = '" + strName + "' " +

", Email = '" + strEmail + "' " +

", CountryCode = '" + strCountryCode + "' " +

", Budget = '" + strBudget + "' " +

", Used = '" + strUsed + "' " +

" WHERE CustomerID = '"+strCustomerID+"' ";

s.execute(sql);

JOptionPane.showMessageDialog(null, "Record Update Successfully");

} catch (Exception e) {

// TODO Auto-generated catch block

JOptionPane.showMessageDialog(null, e.getMessage());

e.printStackTrace();

}

try {

if(s != null) {

s.close();

connect.close();

}

} catch (SQLException e) {

// TODO Auto-generated catch block

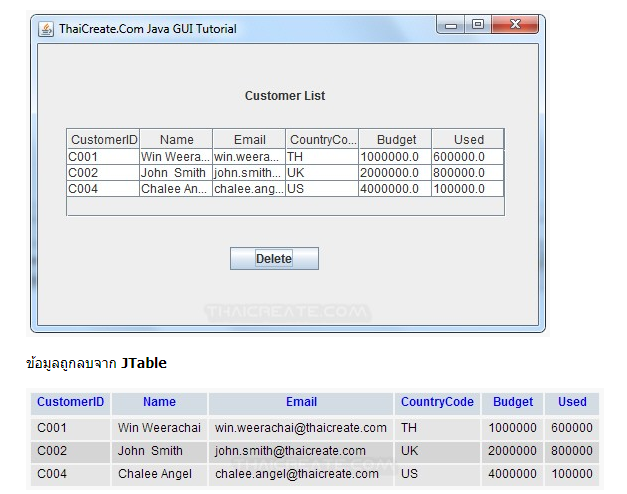
System.out.println(e.getMessage());

e.printStackTrace();

}

}

}



/\*\*